

2010 Annual Report

Sunnyside Cogeneration Associates
Sunnyside Refuse and Slurry
C/007/035





Sunnyside Cogeneration Associates

P.O. Box 10, East Carbon, Utah 84520 • (435) 888-4476 • Fax (435) 888-2538

C/007/035 Incoming
cc: Karl

3183
K

March 18, 2011

Daron Haddock
Division of Oil, Gas & Mining
1594 W. North Temple, Suite 1210
Salt Lake City, Utah 84116

RE: Annual Report for 2010
SCA Sunnyside Mining Permit, C/007/035

Dear Mr. Haddock:

Please find enclosed two copies of SCA's Annual report for 2010, for coal mining and reclamation operations at the SCA Sunnyside site. This report is inclusive of the activities that occurred within the SCA Sunnyside Mining Permit area during 2010.

Should you have any questions, please contact Rusty Netz or myself at (435)888-4476.

Thank You,

Richard Carter
Agent For
Sunnyside Cogeneration Associates

cc. Steve Gross
William Rossiter
Maggie Estrada
Paul Shepard
Rusty Netz
Plant File

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MAR 23 2011

DIV. OF OIL, GAS & MINING



**SUNNYSIDE COGENERATION ASSOCIATES
SUNNYSIDE REFUSE/SLURRY
C/007/0035
2010 ANNUAL REPORT**

Submitted to:

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

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MAR 23 2011

DIV. OF OIL, GAS & MINING



SUNNYSIDE COGENERATION ASSOCIATES
SUNNYSIDE REFUSE/SLURRY
2010 ANNUAL REPORT

TABLE OF CONTENTS

- I. General Permit Information:**
- II. Identification of Other Permits**
- III. Certified Reports**
- IV. Reporting of Other Technical Data**
 - 1. Climatological Data
 - 2. Subsidence Monitoring Data
 - 3. Vegetation Monitoring Data
 - 4. Raptor Surveys and Wildlife Programs
 - 5. Water Monitoring Data
 - 6. Geological / Geophysical Data
 - 7. Engineering Data (Refuse Excavation and Spoils Disposal)
 - 8. Soils Monitoring Data
 - 9. Other Data
- V. Legal, Financial, Compliance and Related Information**
 - Certificates of Existence from the Department of Commerce
- VI. Mine Maps**
- Appendix A Certified Reports**
- Appendix B-1 Climatological Data**
- Appendix B-2 Water Monitoring**
- Appendix C Dept of Commerce, Certificates of Existence**
- Appendix D Mine Map**



I. GENERAL PERMIT INFORMATION

Permit Number: C/007/0035

Mine Name: Sunnyside Refuse/Slurry

Permittee: Sunnyside Cogeneration Associates

**Company Representative
& Resident Agent:** Mr. Richard Carter
One Power Plant Road
PO Box 159
Sunnyside, UT 84539
(435) 888-4476
(435) 888-2538 fax

Date of Initial Permanent Program Permit: February 4, 1993

Date of Most Recent Permit Renewal: February 4, 2008

Date of Expiration: February 4, 2013

SCA completed the Mid-Term Review and the Reclamation Bond renewal process in 2010.

In 2010, SCA began the process of requesting Phase 3 bond release for the Old Coarse Refuse Road reclamation. Final release is expected to be approved in 2011.



II. IDENTIFICATION OF OTHER PERMITS

MSHA ID Numbers:	Sunnyside Waste Coal Site	42-02093
	Coarse Refuse Pile	1211-UT-09-02093-01
	Excess Spoil Disposal Area #1	1211-UT-09-02093-04
	Excess Spoil Disposal Area #2	1211-UT-09-02093-05

UPDES Permit Number: UT0024759 Renewed effective August 1, 2007
Expires July 31, 2012

Air Quality Title V Operating Permit: #700030001

SCA renewed its Title V permit in 2007. Most of the emissions are associated with the power plant adjacent to the SCA Sunnyside mining permit area. The mining operation generates little to no emissions. However the Operating Permit covers all of SCA's operations in Sunnyside.



III. CERTIFIED REPORTS

Each impoundment and the Refuse Pile and Excess Spoil Disposal Areas were inspected in accordance with the requirements of the Mining and Reclamation Permit. The quarterly and annual inspection / certification reports were submitted to the Division throughout the year. These reports are also included in **Appendix A**.

All of the impoundments met or exceeded the storage capacity requirements identified in the permit. No discharges occurred from any of the impoundments during 2010.

All of the spoils materials and coal reject materials generated during 2010 were placed in the Excess Spoil Disposal Area #1. No new materials were placed in the Excess Spoil Disposal Area #2. Construction is progressing in general conformance with design requirements as currently approved.

SCA gathered soil samples from the Excess Spoil Disposal Area #2 at the end of 2009. The analytical test results from these samples were submitted to the Division together with the 1st Quarter 2010 inspection reports, which are included in **Appendix A**.

SCA gathered soil samples from the Excess Spoil Disposal Area #1 at the end of 2010. The analytical test results from these samples were recently received and will be submitted to the Division together with the 1st Quarter 2011 inspection reports. We have also included these results at the end of **Appendix A** in this report.

Excavation of Coarse and Fine Refuse from the Refuse Pile occurred in general conformance with the operational criteria and performance standards established in the permit.



IV. REPORTING OF OTHER TECHNICAL DATA

1. Climatological Data

SCA has obtained precipitation and climatological data for 2010 from the Sunnyside Weather Station operated by the City of Sunnyside. A summary table identifying this data is included in **Appendix B-1**.

2. Subsidence Monitoring Data

No subsidence monitoring is required by the approved plan. No material damage or diminution within the Permit Area will be caused by subsidence because no underground coal resources are available within the permit area that would cause subsidence. No past or future underground coal mining operations have or are likely to occur within the SCA Permit Area.

3. Vegetation Monitoring Data

During 2010, no new areas received final reclamation treatment. In an effort to perform contemporaneous reclamation, SCA is committed to reclaim areas of two acres or larger that are permanently excavated of waste, and are no longer needed for the continued operations. There are currently no areas that meet these criteria.

In 2007, SCA performed quantitative sampling of the Old Coarse Refuse Road that was reclaimed in 1994. This sampling was conducted with the anticipation that SCA could submit an application for Final Phase III Bond Release with the 2006 data set being used as "Year 1" and the 2007 data set as "Year 2" of the two consecutive years of vegetation monitoring necessary to apply for bond release. SCA submitted the documentation necessary to request final bond release towards the end of 2010. It is expected that this bond release will be approved soon.

Interim reseeding has been performed in previous years on several areas throughout the permit site. This interim seeding was accomplished using the approved interim seed mix included in the permit. These areas previously reseeded with the interim revegetation seed mix have been periodically checked by SCA and appear to have vegetative growth similar to the surrounding area.



4. Raptor Surveys and Wildlife Programs

Discussions were held in 1998 with the Division concerning whether or not raptor surveys would be needed. Both the permittee and the Division have agreed that, considering the location of the permit site and the ongoing nature of SCA's activities, it is highly unlikely that the mining and reclamation activities of SCA would negatively affect raptor nesting sites. Therefore, raptor studies would have little value and are not required by the approved permit. Hence, no raptor studies have been performed.

SCA is committed to carrying out its operations in a manner that minimizes potential impact on wildlife in the area. These operations are centered on excavation and hauling activities in and around the coal pile and storage areas. These operations continue to be performed in a manner that does not prevent the necessary migration of large mammals. No additional efforts have been requested by DOGM to provide for migration routes.

SCA also provides periodic wildlife awareness training during employee staff meetings to educate employees associated with the site activities regarding the values of the wildlife resources in the local area. Employee training advises against unnecessary harassment or taking of wildlife on site.

5. Water Monitoring Data

As required in the approved plan, SCA performed quarterly water monitoring at the specified surface and ground water monitoring locations. These sites were analyzed according to the Operational Water Quality Monitoring Parameters listed in the MRP (Appendix 7-8). The results of these analyses indicate that the water quality has remained in general similarity to that observed during the prior monitoring periods.

The 2010 water data from each of the quarterly monitoring periods was submitted to the Division throughout the year. An additional copy of the data has been included in **Appendix B-3** of this report.

6. Geological / Geophysical Data

No periodic Geological / Geophysical monitoring is required in the approved plan. The data included as resource information in the plan is considered adequate for the operations of SCA. In the event that the operations of SCA change dramatically such that additional geologic or geophysical data becomes necessary, additional analysis will be performed at that time.



7. Engineering Data

a. Refuse Excavation

During 2010, SCA excavated 72,682 tons from the Sunnyside permit area. The Sunnyside facility also received 275,758 tons from the Star Point facility, 21,885 tons from Westridge Mine, 102,195 tons from the Savage Coal Terminal (SCT) and 14,502 tons from the Dugout Arch Mine. Of the 487,022 tons of material processed, 70,490 tons was rejected to the Excess Spoil Disposal Area #1.

b. Excess Spoil Disposal Area #1

Placement and compaction of fill material occurred in this disposal area throughout 2010. Materials placed in the disposal area consist mostly of coarse refuse rejects, but also include some general spoils material. Approximately 70,490 tons of material were placed in this disposal area during 2010 (1st qtr. – 24,640; 2nd qtr. – 11,095; 3rd qtr. – 17,290; 4th qtr. – 17,465 tons). Material samples were taken towards the end of 2010. Lab analysis of these samples is provided after the quarterly inspections in Appendix A. These results will also be included with the 1st quarter 2011 inspection report.

c. Excess Spoil Disposal Area #2

No new material was placed in this disposal area during 2010. Material samples were taken towards the end of 2009. Lab analysis of these samples is provided with the 1st quarter 2010 inspection report in Appendix A.

Inspections of the refuse area and both spoils areas are conducted on a quarterly basis. Reports from these site visits are submitted to the Division throughout the year and have been included in this report with the certified reports.



8. Soils Monitoring Data

No periodic soil monitoring is required by the approved plan. The approved borrow areas reserved for reclamation activities have previously undergone soils studies from which the data is included in Chapter 2 of the Permit.

In the event that SCA determines it necessary to utilize soils from other sources for reclamation, the proper analysis will be performed at that time.

9. Other Data

No additional periodic data is required in the approved plan.



V. LEGAL, FINANCIAL, COMPLIANCE & RELATED INFORMATION

Sunnyside Cogeneration Associates is a joint venture between Sunnyside Holdings I, Inc. and Sunnyside II, L.P. **Appendix C** includes copies of the Certificates of Existence for Sunnyside Cogeneration Associates, Sunnyside Holdings I, Inc. and Sunnyside II, L.P. The Utah Department of Commerce, Division of Corporations and Commercial Code issues these certificates. They demonstrate that the entities are in good standing with the State of Utah.



VI. MINE MAPS

The mine map included in **Appendix D** of this report includes recent site contours and a photograph showing the surface configuration of the refuse area being excavated. This refuse is then utilized as fuel for the adjacent Cogeneration Facility. The aerial survey used to generate contours of the site was performed in May 2010.

Mining excavation of the refuse pile has occurred in general conformance with the approved mining plan.

Mining activity proposed for the next five years is projected to occur in general conformance with the mining plan shown on the PE Certified drawings approved in the Mining and Reclamation Permit.



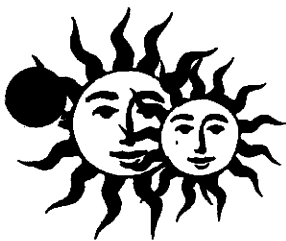
APPENDIX A CERTIFIED REPORTS



APPENDIX A CERTIFIED REPORTS

FIRST QUARTER INSPECTION

IMPOUNDMENTS, REFUSE PILE AND DISPOSAL AREAS



Sunnyside Cogeneration Associates

P.O. Box 10, East Carbon, Utah 84520 • (435) 888-4476 • Fax (435) 888-2538

April 28, 2010

Daron Haddock
Utah Division of Oil, Gas & Mining
1594 W. North Temple, Suite 1210
Salt Lake City, Utah 84116

RE: First Quarter 2010 Inspection Report
Sunnyside Refuse Pile C/007/035

Dear Daron:

Please find enclosed a copy of the First Quarter 2010 Inspection Report for Sunnyside Cogeneration Associates' impoundments, refuse pile and excess spoil areas.

Should you have any questions, please contact Rusty Netz or myself at (435)888-4476.

Thank You,

Richard Carter/RN

Richard Carter
Agent For
Sunnyside Cogeneration Associates

c.c. Steve Gross
William Rossiter
Paul Shepard
Maggie Estrada
Rusty Netz
Plant File

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

GENERAL INFORMATION

Railcut Sediment Pond

Report Date April 21, 2010
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name RailCut Sediment Pond
Impoundment Number 007
UPDES Permit Number UT024759
MSHA ID Number N/A

IMPOUNDMENT INSPECTION

Inspection Date March 26, 2010
Inspected by Rusty Netz
Reason for Inspection First Quarter Inspection 2010

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 4.8 Acre-feet
Pond bottom elevation = 6206.0
100% Sediment Storage Volume = 0.34 acre-feet at Elevation 6209
60% sediment Storage Volume = 0.2 acre feet at Elevation = 6207.7
Existing Sediment Elevation = 6207.2 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6209.07
Emergency Spillway Elevation = 6212.34

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on out slopes of embankments, etc.

Pond had some water in it. No samples were taken Pond did not require decanting
Sediment levels were good
Embankment conditions were good. Vegetation on out slopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Rail Cut Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed

Some water was impounded

No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: _____

Rusty Rety

Date: _____

4/25/10

CERTIFIED REPORT IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

- | | |
|--|------------|
| 1. Is impoundment designed and constructed in accordance with the approved plan? | <u>YES</u> |
| 2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? | <u>YES</u> |
| 3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? | <u>YES</u> |

COMMENTS/ OTHER INFORMATION

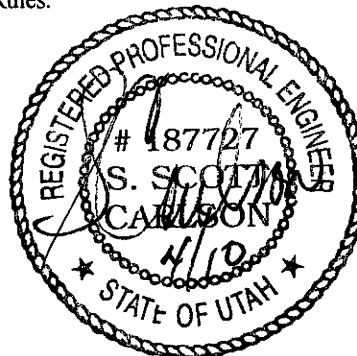
None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH

Affix Signature, Stamp and Date



IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Old Coarse Refuse Road Sediment Pond

GENERAL INFORMATION

Report Date April 21, 2010
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name Old Coarse Refuse Road Sediment Pond
Impoundment Number 008
UPDES Permit Number UT024759
MSHA ID Number N/A

IMPOUNDMENT INSPECTION

Inspection Date March 26, 2010
Inspected by Rusty Netz
Reason for Inspection First Quarter Inspection 2010

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 0.9 Acre-feet
Pond bottom elevation = 6394.0
100% Sediment Storage Volume = 0.08 acre-feet at Elevation 6395.1
60% sediment Storage Volume = 0.05 acre feet at Elevation = 6394.75
Existing Sediment Elevation = 6394.4 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6395.75
Emergency Spillway Elevation = 6399.4

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on out slopes of embankments, etc.

Pond had some water in it. No samples were taken Pond did not require decanting.
Sediment level was good.
Embankment conditions were good. Vegetation on out slopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Old Coarse Refuse Road Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed

Some water was impounded

Sediment level was good.

No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: _____

Rusty noty

Date: _____

4/25/10

CERTIFIED REPORT

IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

- | | |
|--|------------|
| 1. Is impoundment designed and constructed in accordance with the approved plan? | <u>YES</u> |
| 2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? | <u>YES</u> |
| 3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? | <u>YES</u> |

COMMENTS/ OTHER INFORMATION

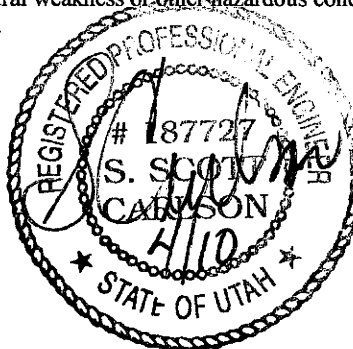
None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.

P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Pasture Sediment Pond

GENERAL INFORMATION

Report Date April 21, 2010
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name Pasture Sediment Pond
Impoundment Number 009
UPDES Permit Number UT024759
MSHA ID Number N/A

IMPOUNDMENT INSPECTION

Inspection Date March 26, 2010
Inspected by Rusty Netz
Reason for Inspection First Quarter Inspection 2010

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 3.2 Acre-feet
Pond bottom elevation = 6484.5
100% Sediment Storage Volume = 0.42 acre-feet at Elevation 6486.2
60% sediment Storage Volume = 0.25 acre feet at Elevation = 6485.5
Existing Sediment Elevation = 6485.1 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6486.6
Emergency Spillway Elevation = 6490.6

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on out slopes of embankments, etc.

Pond had some water in it. No samples were taken Pond did not require decanting.
Sediment level was good
Embankment conditions were good. Vegetation on out slopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Pasture Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure were observed.

A small amount of water was impounded

Sediment level was good.

No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty noty Date: 4/25/10

CERTIFIED REPORT IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

- | | |
|--|------------|
| 1. Is impoundment designed and constructed in accordance with the approved plan? | <u>YES</u> |
| 2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? | <u>YES</u> |
| 3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? | <u>YES</u> |

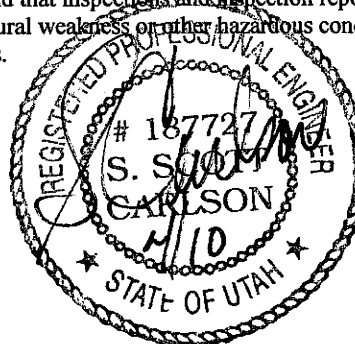
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Coarse Refuse Toe Sediment Pond

GENERAL INFORMATION

Report Date April 21, 2010
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name New Coarse Refuse Toe Sediment Pond
Impoundment Number 012
UPDES Permit Number UT024759
MSHA ID Number N/A

IMPOUNDMENT INSPECTION

Inspection Date March 26, 2010
Inspected by Rusty Netz
Reason for Inspection First Quarter Inspection 2010

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 1.6 Acre-feet
Pond bottom elevation = 6176.0
100% Sediment Storage Volume = 0.07 acre-feet at Elevation 6177.8
60% sediment Storage Volume = 0.03 acre feet at Elevation = 6177.0
Existing Sediment Elevation = 6176.6 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6178.2
Emergency Spillway Elevation = 6183.63

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on out slopes of embankments, etc.

Pond had some water in it. No samples were taken Pond did not require decanting
Sediment level was good
Embankment conditions were good. Vegetation on out slopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Coarse Refuse Toe Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed

Some water was impounded

Sediment level was good.

No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: _____

Rusty Nety

Date: _____

4/25/10

CERTIFIED REPORT

IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

- | | |
|--|------------|
| 1. Is impoundment designed and constructed in accordance with the approved plan? | <u>YES</u> |
| 2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? | <u>YES</u> |
| 3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? | <u>YES</u> |

COMMENTS/ OTHER INFORMATION

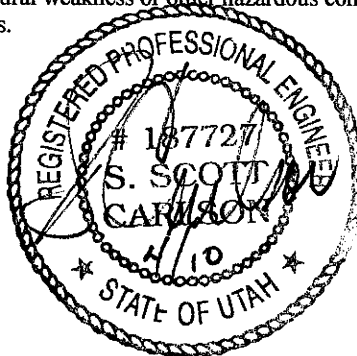
None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.

P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

GENERAL INFORMATION

Coal Pile Sediment Pond

Report Date April 21, 2010
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name Coal Pile Sediment Pond
Impoundment Number 014
UPDES Permit Number UT024759
MSHA ID Number N/A

IMPOUNDMENT INSPECTION

Inspection Date March 26, 2010
Inspected by Rusty Netz
Reason for Inspection First Quarter Inspection 2010

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 1.5 Acre-feet
Pond bottom elevation = 6473.0
100% Sediment Storage Volume = 0.5 acre-feet at Elevation 6476.0
60% sediment Storage Volume = 0.3 acre feet at Elevation = 6474.7
Existing Sediment Elevation = 6474 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6476.0
Secondary Dewatering Orifice = 6477.2
Primary Spillway Elevation = 6477.9
Emergency Spillway Elevation = 6479.0

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had some water in it. No samples were taken Pond did not require decanting.
Sediment level was good.
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Coal Pile Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed

A small amount of water was impounded

Sediment level was good.

No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: _____

Rusty Rutz

Date: _____

4/25/10

CERTIFIED REPORT

IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

- | | |
|--|------------|
| 1. Is impoundment designed and constructed in accordance with the approved plan? | <u>YES</u> |
| 2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? | <u>YES</u> |
| 3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? | <u>YES</u> |

COMMENTS/ OTHER INFORMATION

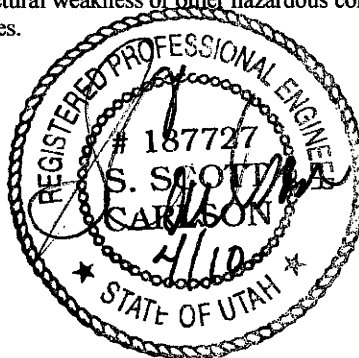
None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.

P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Borrow Area Sediment Pond

GENERAL INFORMATION

Report Date April 21, 2010
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name Borrow Area Sediment Pond
Impoundment Number 016
UPDES Permit Number UT024759
MSHA ID Number N/A

IMPOUNDMENT INSPECTION

Inspection Date March 26, 2010
Inspected by Rusty Netz
Reason for Inspection First Quarter Inspection 2010

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 8.3 Acre-feet
Pond bottom elevation = 6510.0
100% Sediment Storage Volume = 2.3 acre-feet at Elevation 6514.3
60% sediment Storage Volume = 1.4 acre feet at Elevation = 6513.3
Existing Sediment Elevation = 6511 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6514.3
Emergency Spillway Elevation = 6517.03

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on out slopes of embankments, etc.

Pond had no water in it. No samples were taken
Sediment level was good. Pond did not require decanting.
Embankment conditions were good. Vegetation on out slopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Borrow Area Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed

No water was impounded

Sediment level was good.

No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: _____

Rusty Rutz

Date: _____

4/25/10

CERTIFIED REPORT

IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

- | | |
|--|------------|
| 1. Is impoundment designed and constructed in accordance with the approved plan? | <u>YES</u> |
| 2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? | <u>YES</u> |
| 3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? | <u>YES</u> |

COMMENTS/ OTHER INFORMATION

None

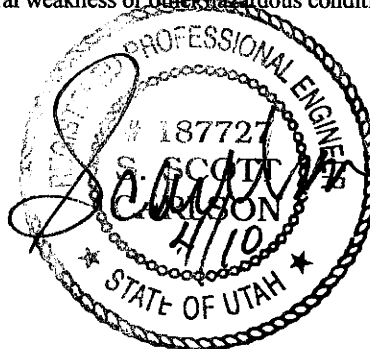
CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.

P.E. Number & State: 187727 UTAH

Affix Signature, Stamp and Date



INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

GENERAL INFORMATION

Coarse Refuse Pile

Report Date April 21, 2010
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

EXCESS SPOIL PILE OR REFUSE PILE IDENTIFICATION

Pile Name Coarse Refuse Pile
Pile Number N/A
MSHA ID Number 1211-UT-09-02093-01

Inspection Date March 26, 2010
Inspected by Rusty Netz
Reason for Inspection First Quarter Inspection 2010

Attachment to Report? (such as refuse sample analysis or photos) **YES**

Field Evaluation

1. Foundation preparation, including the removal of all organic material and topsoil.

N/A

2. Placement of underdrains and protective filter systems.

N/A

3. Installation of final surface drainage systems

N/A

4. Placement and compaction of fill materials

N/A - Activities occurring at this time are associated with removal of refuse material

5. Final grading and revegetation of fill.

N/A

6. Appearances of instability, structural weakness, and other hazardous conditions

No aspects of the Fill structure were observed that could affect its stability or functionality

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

Coarse Refuse Pile

7. Other comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period

Refuse material is actively being excavated and removed from various locations across the top of the pile

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: _____

Rusty Rusty

Date: _____

4/25/10

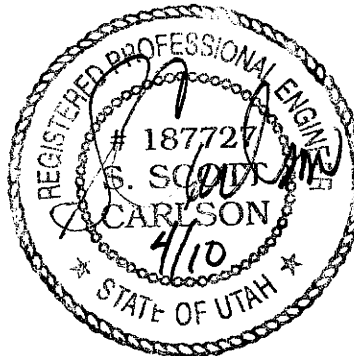
CERTIFICATION STATEMENT

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE, Twin Peaks, P.C.

P.E. Number & State: 187727 UTAH

Affix Signature, Stamp and Date



INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

GENERAL INFORMATION

Excess Spoil Disposal Area #1

Report Date April 21, 2010
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

EXCESS SPOIL PILE OR REFUSE PILE IDENTIFICATION

Pile Name Excess Spoil Disposal Area #1
Pile Number N/A
MSHA ID Number 1211-UT-09-02093-04

Inspection Date March 26, 2010
Inspected by Rusty Netz
Reason for Inspection First Quarter Inspection 2010

Attachment to Report? (such as refuse sample analysis or photos) **YES**

Field Evaluation

1. Foundation preparation, including the removal of all organic material and topsoil.

N/A

2. Placement of underdrains and protective filter systems.

N/A

3. Installation of final surface drainage systems

N/A

4. Placement and compaction of fill materials

Approximately 24,640 tons of material were placed during the quarter.

5. Final grading and revegetation of fill.

N/A

6. Appearances of instability, structural weakness, and other hazardous conditions

No aspects of the Fill structure were observed that could affect its stability or functionality

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

Excess Spoil Disposal Area #1

7. Other comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period

Construction of the fill has been proceeding in shallow lifts in general conformance with the approved plan.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

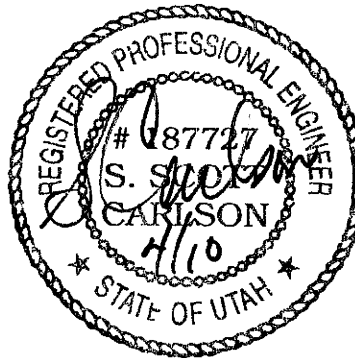
Signature: Rusty net Date: 4/25/10

CERTIFICATION STATEMENT

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH

Affix Signature, Stamp and Date



INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

GENERAL INFORMATION

Excess Spoil Disposal Area #2

Report Date April 21, 2010
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

EXCESS SPOIL PILE OR REFUSE PILE IDENTIFICATION

Pile Name Excess Spoil Disposal Area #2
Pile Number N/A
MSHA ID Number 1211-UT-09-02093-05

Inspection Date March 26, 2010
Inspected by Rusty Netz
Reason for Inspection First Quarter Inspection 2010

Attachment to Report? (such as refuse sample analysis or photos) **YES**

Field Evaluation

1. Foundation preparation, including the removal of all organic material and topsoil.

Existing disturbed site. No additional topsoil removal is required by the approved plan

2. Placement of underdrains and protective filter systems.

No under-drains or filters area required by the approved plan

3. Installation of final surface drainage systems

N/A

4. Placement and compaction of fill materials

No new material was placed in this disposal area during the quarter.

5. Final grading and revegetation of fill.

N/A

6. Appearances of instability, structural weakness, and other hazardous conditions

No aspects of the Fill structure were observed that could affect its stability or functionality

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

Excess Spoil Disposal Area #2

7. Other comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period

Construction of the fill has been proceeding in shallow lifts in general conformance with the approved plan.

Analytical results from samples taken in the prior quarter have been received from the testing lab. They are attached hereto.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

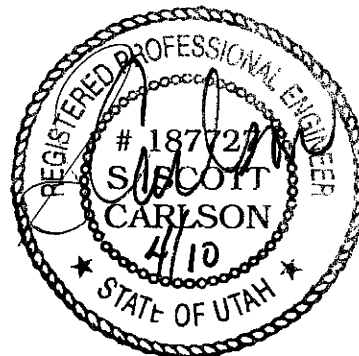
Signature: Rusty nety Date: 4/25/10

CERTIFICATION STATEMENT

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By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH

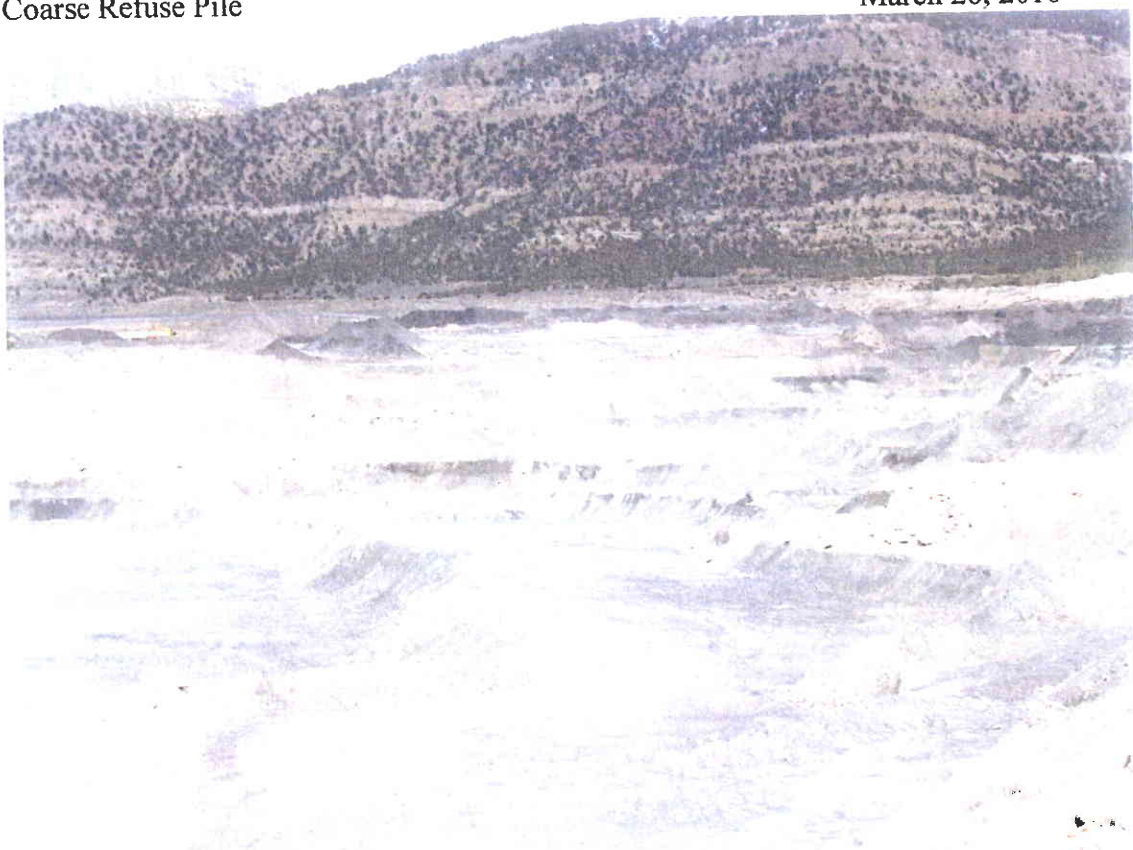
Affix Signature, Stamp and Date





Coarse Refuse Pile

March 26, 2010



Coarse Refuse Pile

March 26, 2010



Excess Spoil Disposal Area #1

March 26, 2010



Excess Spoil Disposal Area #2

March 26, 2010



Coarse Refuse Toe Pond

March 26, 2010



Rail Cut Pond

March 26, 2010



Pasture Pond

March 26, 2010



**AMERICAN
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463 West 3600 South
Salt Lake City, Utah
84115

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Fax (801) 263-8687

mail: awal@awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

Rusty Netz
Sunnyside Cogeneration
PO Box 159

Sunnyside, UT 84539-

TEL: (435) 888-4476

FAX (435) 888-2538

RE: Spoils - DOGM

Dear Rusty Netz:

Lab Set ID:1003373


American West Analytical Laboratories received 8 sample(s) on 3/18/2010 for the analyses presented in the following report.

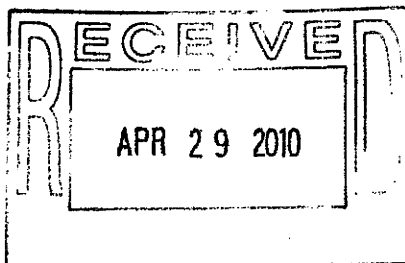
All analyses were performed in accordance to The NELAC Institute protocols unless noted otherwise. American West Analytical Laboratories is certified by The NELAC Institute in Utah and Texas; and is state certified in Colorado and Idaho. Certification document is available upon request. If you have any questions or concerns regarding this report please feel free to call.

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit.

Thank You,

Approved by:


Laboratory Director or designee





INORGANIC ANALYTICAL REPORT

AMERICAN
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LABORATORIES

Client: Sunnyside Cogeneration
Project: Spoils - DOGM
Lab Sample ID: 1003373-001
Client Sample ID: NW
Collection Date: 8/10/2009
Received Date: 3/18/2010

Contact: Rusty Netz

463 West 3600 South
Salt Lake City, Utah
84115

TOTAL METALS

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Boron	mg/kg-dry	3/29/2010 7:20:00 PM	SW6010C	52	< 52	H
Calcium	mg/kg-dry	3/29/2010 6:11:00 PM	SW6010C	1,000	12,000	H
Magnesium	mg/kg-dry	3/29/2010 7:20:00 PM	SW6010C	100	3,700	H
Selenium	mg/kg-dry	3/23/2010 9:34:11 PM	SW6020A	0.89	7.0	H
Sodium	mg/kg-dry	3/29/2010 7:20:00 PM	SW6010C	100	180	H

H - Sample was received outside of the holding time.

J - Matrix spike recoveries and/or high RPDs indicate suspected sample non-homogeneity. The method is in control as indicated by the LCS.

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Fax (801) 263-8687
l: awal@awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

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LABORATORIES

Client: Sunnyside Cogeneration
Project: Spoils - DOGM
Lab Sample ID: 1003373-002
Client Sample ID: NE
Collection Date: 8/10/2009
Received Date: 3/18/2010

Contact: Rusty Netz

463 West 3600 South
Salt Lake City, Utah
84115

TOTAL METALS

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Boron	mg/kg-dry	3/29/2010 8:06:00 PM	SW6010C	51	< 51	H
Calcium	mg/kg-dry	3/29/2010 6:23:00 PM	SW6010C	1,000	20,000	H
Magnesium	mg/kg-dry	3/29/2010 6:23:00 PM	SW6010C	1,000	8,900	H
Selenium	mg/kg-dry	3/23/2010 10:20:42 PM	SW6020A	0.86	5.5	H
Sodium	mg/kg-dry	3/29/2010 8:06:00 PM	SW6010C	100	330	H

H - Sample was received outside of the holding time.

(801) 263-8686
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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

AMERICAN
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LABORATORIES

Client: Sunnyside Cogeneration
Project: Spoils - DOGM
Lab Sample ID: 1003373-003
Client Sample ID: SW
Collection Date: 8/10/2009
Received Date: 3/18/2010

Contact: Rusty Netz

TOTAL METALS

TOTAL METALS							
463 West 3600 South Salt Lake City, Utah 84115	Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
	Boron	mg/kg-dry	3/29/2010 8:10:00 PM	SW6010C	51	< 51	H
	Calcium	mg/kg-dry	3/29/2010 6:26:00 PM	SW6010C	1,000	9,400	H
	Magnesium	mg/kg-dry	3/29/2010 8:10:00 PM	SW6010C	100	4,000	H
	Selenium	mg/kg-dry	3/23/2010 10:26:31 PM	SW6020A	0.86	6.6	H
	Sodium	mg/kg-dry	3/29/2010 8:10:00 PM	SW6010C	100	390	H

H - Sample was received outside of the holding time.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

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Client: Sunnyside Cogeneration
Project: Spoils - DOGM
Lab Sample ID: 1003373-004
Client Sample ID: SE
Collection Date: 8/10/2009
Received Date: 3/18/2010

Contact: Rusty Netz

463 West 3600 South
Salt Lake City, Utah
84115

TOTAL METALS

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Boron	mg/kg-dry	3/29/2010 8:14:00 PM	SW6010C	52	< 52	H
Calcium	mg/kg-dry	3/29/2010 6:30:00 PM	SW6010C	1,000	6,100	H
Magnesium	mg/kg-dry	3/29/2010 8:14:00 PM	SW6010C	100	2,300	H
Selenium	mg/kg-dry	3/23/2010 10:32:20 PM	SW6020A	0.88	5.8	H
Sodium	mg/kg-dry	3/29/2010 8:14:00 PM	SW6010C	100	380	H

H - Sample was received outside of the holding time.

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Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

AMERICAN
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LABORATORIES

Client: Sunnyside Cogeneration
Project: Spoils - DOGM
Lab Sample ID: 1003373-005
Client Sample ID: NW
Collection Date: 12/5/2009
Received Date: 3/18/2010

Contact: Rusty Netz

TOTAL METALS

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Boron	mg/kg-dry	3/29/2010 8:18:00 PM	SW6010C	52	< 52	
Calcium	mg/kg-dry	3/29/2010 6:34:00 PM	SW6010C	1,000	5,800	
Magnesium	mg/kg-dry	3/29/2010 8:18:00 PM	SW6010C	100	1,900	
Selenium	mg/kg-dry	3/23/2010 10:38:08 PM	SW6020A	0.89	7.3	
Sodium	mg/kg-dry	3/29/2010 8:18:00 PM	SW6010C	100	360	

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Kyle F. Gross
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AMERICAN
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LABORATORIES

INORGANIC ANALYTICAL REPORT

Client: Sunnyside Cogeneration
Project: Spoils - DOGM
Lab Sample ID: 1003373-006
Client Sample ID: NE
Collection Date: 12/5/2009
Received Date: 3/18/2010

Contact: Rusty Netz

463 West 3600 South
Salt Lake City, Utah
84115

TOTAL METALS

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Boron	mg/kg-dry	3/29/2010 8:22:00 PM	SW6010C	53	< 53	
Calcium	mg/kg-dry	3/29/2010 6:38:00 PM	SW6010C	1,100	14,000	
Magnesium	mg/kg-dry	3/29/2010 8:22:00 PM	SW6010C	110	5,300	
Selenium	mg/kg-dry	3/23/2010 10:43:57 PM	SW6020A	0.90	8.3	
Sodium	mg/kg-dry	3/29/2010 8:22:00 PM	SW6010C	110	220	

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Email: awal@awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



INORGANIC ANALYTICAL REPORT

AMERICAN
WEST
ANALYTICAL
LABORATORIES

Client: Sunnyside Cogeneration
Project: Spoils - DOGM
Lab Sample ID: 1003373-007
Client Sample ID: SW
Collection Date: 12/5/2009
Received Date: 3/18/2010

Contact: Rusty Netz

TOTAL METALS

463 West 3600 South
Salt Lake City, Utah
84115

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Boron	mg/kg-dry	3/29/2010 8:26:00 PM	SW6010C	51	< 51	
Calcium	mg/kg-dry	3/29/2010 7:02:00 PM	SW6010C	10,000	45,000	
Magnesium	mg/kg-dry	3/29/2010 6:54:00 PM	SW6010C	1,000	17,000	
Selenium	mg/kg-dry	3/23/2010 10:49:45 PM	SW6020A	0.87	6.0	
Sodium	mg/kg-dry	3/29/2010 8:26:00 PM	SW6010C	100	150	

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INORGANIC ANALYTICAL REPORT

AMERICAN
WEST
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LABORATORIES

Client: Sunnyside Cogeneration
Project: Spoils - DOGM
Lab Sample ID: 1003373-008
Client Sample ID: SE
Collection Date: 12/5/2009
Received Date: 3/18/2010

Contact: Rusty Netz

463 West 3600 South
Salt Lake City, Utah
84115

TOTAL METALS

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Boron	mg/kg-dry	3/29/2010 8:30:00 PM	SW6010C	54	< 54	
Calcium	mg/kg-dry	3/29/2010 6:58:00 PM	SW6010C	1,100	11,000	
Magnesium	mg/kg-dry	3/29/2010 8:30:00 PM	SW6010C	110	4,600	
Selenium	mg/kg-dry	3/23/2010 10:55:34 PM	SW6020A	0.92	7.7	
Sodium	mg/kg-dry	3/29/2010 8:30:00 PM	SW6010C	110	150	

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INORGANIC ANALYTICAL REPORT

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LABORATORIES

Client: Sunnyside Cogeneration
Project: Spoils - DOGM
Lab Sample ID: 1003373-001
Client Sample ID: NW
Collection Date: 8/10/2009
Received Date: 3/18/2010

Contact: Rusty Netz

463 West 3600 South
Salt Lake City, Utah
84115

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Conductivity	µmhos/cm	3/19/2010 6:00:00 AM	SW9050A	10	330	&H
Nitrate (as N)	mg/kg-dry	3/22/2010 11:16:05 AM	E353.2	0.011	0.061	&H
pH @ 25° C	pH Units	3/18/2010 7:45:00 PM	SW9045D	1.00	8.19	H
Sodium Adsorption Ratio		3/25/2010	Calc	0.010	0.57	H
Total Nitrogen (as N)	mg/kg-dry	3/26/2010	Calc.	260	1,900	H

H - Sample was received outside of the holding time.

& - Analysis is performed on a 1:1 DI water extract for soils.

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INORGANIC ANALYTICAL REPORT

AMERICAN
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LABORATORIES

Client: Sunnyside Cogeneration
Project: Spoils - DOGM
Lab Sample ID: 1003373-002
Client Sample ID: NE
Collection Date: 8/10/2009
Received Date: 3/18/2010

Contact: Rusty Netz

463 West 3600 South
Salt Lake City, Utah
84115

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Conductivity	µmhos/cm	3/19/2010 6:00:00 AM	SW9050A	10	280	&H
Nitrate (as N)	mg/kg-dry	3/22/2010 11:33:11 AM	E353.2	0.010	0.050	&H
pH @ 25° C	pH Units	3/18/2010 7:45:00 PM	SW9045D	1.00	8.29	H
Sodium Adsorption Ratio		3/25/2010	Calc.	0.010	0.61	H
Total Nitrogen (as N)	mg/kg-dry	3/26/2010	Calc.	260	760	H

H - Sample was received outside of the holding time.

& - Analysis is performed on a 1:1 DI water extract for soils.

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INORGANIC ANALYTICAL REPORT

AMERICAN
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ANALYTICAL
LABORATORIES

Client: Sunnyside Cogeneration
Project: Spoils - DOGM
Lab Sample ID: 1003373-003
Client Sample ID: SW
Collection Date: 8/10/2009
Received Date: 3/18/2010

Contact: Rusty Netz

463 West 3600 South
Salt Lake City, Utah
84115

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Conductivity	µmhos/cm	3/19/2010 6:00:00 AM	SW9050A	10	450	&H
Nitrate (as N)	mg/kg-dry	3/22/2010 11:09:17 AM	E353.2	0.011	< 0.011	&H
pH @ 25° C	pH Units	3/18/2010 7:45:00 PM	SW9045D	1.00	8.06	H
Sodium Adsorption Ratio		3/25/2010	Calc.	0.010	0.57	H
Total Nitrogen (as N)	mg/kg-dry	3/26/2010	Calc.	260	1,100	H

H - Sample was received outside of the holding time.

& - Analysis is performed on a 1:1 DI water extract for soils.

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INORGANIC ANALYTICAL REPORT

AMERICAN
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LABORATORIES

Client: Sunnyside Cogeneration
Project: Spoils - DOGM
Lab Sample ID: 1003373-004
Client Sample ID: SE
Collection Date: 8/10/2009
Received Date: 3/18/2010

Contact: Rusty Netz

463 West 3600 South
Salt Lake City, Utah
84115

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Conductivity	µmhos/cm	3/19/2010 6:00:00 AM	SW9050A	10	240	&H
Nitrate (as N)	mg/kg-dry	3/22/2010 11:34:33 AM	E353.2	0.010	0.062	&H
pH @ 25° C	pH Units	3/18/2010 7:45:00 PM	SW9045D	1.00	8.41	H
Sodium Adsorption Ratio		3/25/2010	Calc.	0.010	0.56	H
Total Nitrogen (as N)	mg/kg-dry	3/26/2010	Calc.	260	1,000	H

H - Sample was received outside of the holding time.

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INORGANIC ANALYTICAL REPORT

AMERICAN
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LABORATORIES

Client: Sunnyside Cogeneration
Project: Spoils - DOGM
Lab Sample ID: 1003373-005
Client Sample ID: NW
Collection Date: 12/5/2009
Received Date: 3/18/2010

Contact: Rusty Netz

463 West 3600 South
Salt Lake City, Utah
84115

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Conductivity	µmhos/cm	3/19/2010 6:00:00 AM	SW9050A	10	320	&H
Nitrate (as N)	mg/kg-dry	3/22/2010 11:35:54 AM	E353.2	0.011	0.067	&H
pH @ 25° C	pH Units	3/18/2010 7:45:00 PM	SW9045D	1.00	8.45	H
Sodium Adsorption Ratio		3/25/2010	Calc.	0.010	0.66	
Total Nitrogen (as N)	mg/kg-dry	3/26/2010	Calc.	270	960	H

H - Sample was received outside of the holding time.

& - Analysis is performed on a 1:1 DI water extract for soils.

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INORGANIC ANALYTICAL REPORT

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LABORATORIES

Client: Sunnyside Cogeneration
Project: Spoils - DOGM
Lab Sample ID: 1003373-006
Client Sample ID: NE
Collection Date: 12/5/2009
Received Date: 3/18/2010

Contact: Rusty Netz

463 West 3600 South
Salt Lake City, Utah
84115

Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Conductivity	µmhos/cm	3/19/2010 6:00:00 AM	SW9050A	10	330	&H
Nitrate (as N)	mg/kg-dry	3/22/2010 11:37:14 AM	E353.2	0.011	0.077	&H
pH @ 25° C	pH Units	3/18/2010 7:45:00 PM	SW9045D	1.00	8.29	H
Sodium Adsorption Ratio		3/25/2010	Calc.	0.010	0.55	
Total Nitrogen (as N)	mg/kg-dry	3/26/2010	Calc.	270	670	H

H - Sample was received outside of the holding time.

& - Analysis is performed on a 1:1 DI water extract for soils.

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INORGANIC ANALYTICAL REPORT

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Client: Sunnyside Cogeneration
Project: Spoils - DOGM
Lab Sample ID: 1003373-007
Client Sample ID: SW
Collection Date: 12/5/2009
Received Date: 3/18/2010

Contact: Rusty Netz

463 West 3600 South
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Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Conductivity	µmhos/cm	3/19/2010 6:00:00 AM	SW9050A	10	280	&H
Nitrate (as N)	mg/kg-dry	3/22/2010 11:38:35 AM	E353.2	0.011	0.017	&H
pH @ 25° C	pH Units	3/18/2010 7:45:00 PM	SW9045D	1.00	8.38	H
Sodium Adsorption Ratio		3/25/2010	Calc.	0.010	0.59	
Total Nitrogen (as N)	mg/kg-dry	3/26/2010	Calc.	260	530	H

H - Sample was received outside of the holding time.

& - Analysis is performed on a 1:1 DI water extract for soils.

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INORGANIC ANALYTICAL REPORT

AMERICAN
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LABORATORIES

Client: Sunnyside Cogeneration
Project: Spoils - DOGM
Lab Sample ID: 1003373-008
Client Sample ID: SE
Collection Date: 12/5/2009
Received Date: 3/18/2010

Contact: Rusty Netz

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Salt Lake City, Utah
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Analytical Results	Units	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Conductivity	µmhos/cm	3/19/2010 6:00:00 AM	SW9050A	10	270	&H
Nitrate (as N)	mg/kg-dry	3/22/2010 11:39:56 AM	E353.2	0.011	0.044	&H
pH @ 25° C	pH Units	3/18/2010 7:45:00 PM	SW9045D	1.00	8.45	H
Sodium Adsorption Ratio		3/25/2010	Calc.	0.010	0.70	
Total Nitrogen (as N)	mg/kg-dry	3/26/2010	Calc.	270	710	H

H - Sample was received outside of the holding time.

& - Analysis is performed on a 1:1 DI water extract for soils.

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Kyle F. Gross
Laboratory Director

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April 21, 2010

Report to:

Elona Hayward
American West Analytical Labs
463 West 3600 South
Salt Lake City, UT 84115

Bill to:

Lynn Turner
American West Analytical Labs
463 West 3600 South
Salt Lake City, UT 84115

cc: Rebekah Winkler

Project ID: 1003373/Spoils-DOGM

ACZ Project ID: L81240

Elona Hayward:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on March 23, 2010. This project has been assigned to ACZ's project number, L81240. Please reference this number in all future inquiries.

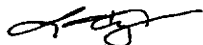
All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L81240. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after May 21, 2010. If the samples are determined to be hazardous, additional charges apply for disposal (typically less than \$10/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical reports for five years.

If you have any questions or other needs, please contact your Project Manager.



Tony Antalek has reviewed and
approved this report.



American West Analytical Labs

April 21, 2010

Project ID: 1003373/Spoils-DOGM

ACZ Project ID: L81240

Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 8 soil samples from American West Analytical Labs on March 23, 2010. The samples were received in good condition. Upon receipt, the sample custodian removed the samples from the cooler, inspected the contents, and logged the samples into ACZ's computerized Laboratory Information Management System (LIMS). The samples were assigned ACZ LIMS project number L81240. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

Holding Times

All analyses were performed within EPA recommended holding times.

Sample Analysis

These samples were analyzed for inorganic parameters. The individual methods are referenced on both the ACZ invoice and the analytical reports. The extended qualifier reports may contain footnotes qualifying specific elements due to QC failures. In addition the following has been noted with this specific project:

1. The Texture analysis could not be performed due to insufficient sample volume.

ACZ Laboratories, Inc.

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

American West Analytical Labs

Project ID: 1003373/Spoils-DOGM

Sample ID: NW

ACZ Sample ID: L81240-01

Date Sampled: 08/10/09 00:00

Date Received: 03/23/10

Sample Matrix: Soil

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Acid Generation Potential (calc on Sulfur total)	M600/2-78-054 1.3	12			t CaCO3/Kt	1	5	04/21/10 0:00	calc
Acid Neutralization Potential (calc)	M600/2-78-054 1.3	75			t CaCO3/Kt	1	5	04/21/10 0:00	calc
Acid-Base Potential (calc on Sulfur total)	M600/2-78-054 1.3	63			t CaCO3/Kt	1	5	04/21/10 0:00	calc
Carbon, total organic (TOC)	ASA No.9 29-2.2.4 Combustion/IR	16.3	H	*	%	0.1	0.5	04/16/10 20:06	brd
Neutralization Potential as CaCO3	M600/2-78-054 3.2.3	7.5		*	%	0.1	0.5	04/12/10 10:54	bsu
Sulfur Forms	M600/2-78-054 3.2.4-MOD								
Sulfur HCl Residue		0.39	H	*	%	0.01	0.1	04/14/10 0:00	bsu
Sulfur HNO3 Residue		0.06	BH	*	%	0.01	0.1	04/14/10 0:00	bsu
Sulfur Organic		0.06	BH	*	%	0.01	0.1	04/14/10 0:00	bsu
Residual Mod									
Sulfur Pyritic Sulfide		0.33	H	*	%	0.01	0.1	04/14/10 0:00	bsu
Sulfur Sulfate			UH	*	%	0.01	0.1	04/14/10 0:00	bsu
Sulfur Total		0.39	H	*	%	0.01	0.1	04/14/10 0:00	bsu
Total Sulfur minus Sulfate		0.39	H	*	%	0.01	0.1	04/14/10 0:00	bsu
Texture by Hydrometer	ASTM D 422 Hydrometer								
Clay		See case narrative							N/A
Sand		See case narrative							N/A
Silt		See case narrative							N/A
Texture Classification		See case narrative							N/A

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							04/02/10 16:45	as/bsu
Crush and Pulverize	USDA No. 1, 1972							04/08/10 9:00	brd/bsu
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2		H					04/08/10 9:00	brd
Sieve-250 um (60 mesh)	ASA No.9, 15-4.2.2		H					04/08/10 9:00	bsu/brd

American West Analytical Labs

Project ID: 1003373/Spoils-DOGM

Sample ID: NE

ACZ Sample ID: **L81240-02**

Date Sampled: 08/10/09 00:00

Date Received: 03/23/10

Sample Matrix: Soil

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Acid Generation Potential (calc on Sulfur total)	M600/2-78-054 1.3	15			t CaCO3/Kt	1	5	04/21/10 0:00	calc
Acid Neutralization Potential (calc)	M600/2-78-054 1.3	59			t CaCO3/Kt	1	5	04/21/10 0:00	calc
Acid-Base Potential (calc on Sulfur total)	M600/2-78-054 1.3	44			t CaCO3/Kt	1	5	04/21/10 0:00	calc
Carbon, total organic (TOC)	ASA No.9 29-2.2.4 Combustion/IR	17.7	H	*	%	0.1	0.5	04/17/10 12:20	brd
Neutralization Potential as CaCO3	M600/2-78-054 3.2.3	5.9		*	%	0.1	0.5	04/12/10 11:49	bsu
Sulfur Forms	M600/2-78-054 3.2.4-MOD								
Sulfur HCl Residue		0.42	H	*	%	0.01	0.1	04/14/10 0:00	bsu
Sulfur HNO3 Residue		0.10	H	*	%	0.01	0.1	04/14/10 0:00	bsu
Sulfur Organic		0.10	H	*	%	0.01	0.1	04/14/10 0:00	bsu
Residual Mod									
Sulfur Pyritic Sulfide		0.32	H	*	%	0.01	0.1	04/14/10 0:00	bsu
Sulfur Sulfate		0.05	BH	*	%	0.01	0.1	04/14/10 0:00	bsu
Sulfur Total		0.47	H	*	%	0.01	0.1	04/14/10 0:00	bsu
Total Sulfur minus Sulfate		0.42	H	*	%	0.01	0.1	04/14/10 0:00	bsu
Texture by Hydrometer	ASTM D 422 Hydrometer								
Clay		See case narrative							N/A
Sand		See case narrative							N/A
Silt		See case narrative							N/A
Texture Classification		See case narrative							N/A

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							04/02/10 16:46	as/bsu
Crush and Pulverize	USDA No. 1, 1972							04/08/10 9:31	brd/bsu
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2		H					04/08/10 12:42	brd
Sieve-250 um (60 mesh)	ASA No.9, 15-4.2.2		H					04/08/10 9:30	bsu/brd

ACZ Laboratories, Inc.

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

American West Analytical Labs

Project ID: 1003373/Spoils-DOGM

Sample ID: SW

ACZ Sample ID: **L81240-03**

Date Sampled: 08/10/09 00:00

Date Received: 03/23/10

Sample Matrix: Soil

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Acid Generation Potential (calc on Sulfur total)	M600/2-78-054 1.3	12			t CaCO3/Kt	1	5	04/21/10 0:00	calc
Acid Neutralization Potential (calc)	M600/2-78-054 1.3	100			t CaCO3/Kt	1	5	04/21/10 0:00	calc
Acid-Base Potential (calc on Sulfur total)	M600/2-78-054 1.3	88			t CaCO3/Kt	1	5	04/21/10 0:00	calc
Carbon, total organic (TOC)	ASA No.9 29-2.2.4 Combustion/IR	16.7	H	*	%	0.1	0.5	04/17/10 20:26	brd
Neutralization Potential as CaCO3	M600/2-78-054 3.2.3	10.0		*	%	0.1	0.5	04/12/10 12:16	bsu
Sulfur Forms	M600/2-78-054 3.2.4-MOD								
Sulfur HCl Residue		0.38	H	*	%	0.01	0.1	04/14/10 0:00	bsu
Sulfur HNO3 Residue		0.06	BH	*	%	0.01	0.1	04/14/10 0:00	bsu
Sulfur Organic		0.06	BH	*	%	0.01	0.1	04/14/10 0:00	bsu
Residual Mod									
Sulfur Pyritic Sulfide		0.32	H	*	%	0.01	0.1	04/14/10 0:00	bsu
Sulfur Sulfate		0.02	BH	*	%	0.01	0.1	04/14/10 0:00	bsu
Sulfur Total		0.40	H	*	%	0.01	0.1	04/14/10 0:00	bsu
Total Sulfur minus Sulfate		0.38	H	*	%	0.01	0.1	04/14/10 0:00	bsu
Texture by Hydrometer	ASTM D 422 Hydrometer								
Clay		See case narrative							N/A
Sand		See case narrative							N/A
Silt		See case narrative							N/A
Texture Classification		See case narrative							N/A

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							04/02/10 16:47	as/bsu
Crush and Pulverize	USDA No. 1, 1972								
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2		H					04/08/10 10:02	brd/bsu
Sieve-250 um (60 mesh)	ASA No.9, 15-4.2.2		H					04/08/10 16:25	brd
								04/08/10 10:00	bsu/brd

ACZ Laboratories, Inc.

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

American West Analytical Labs

Project ID: 1003373/Spoils-DOGM

Sample ID: SE

ACZ Sample ID: L81240-04

Date Sampled: 08/10/09 00:00

Date Received: 03/23/10

Sample Matrix: Soil

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Acid Generation Potential (calc on Sulfur total)	M600/2-78-054 1.3	14			t CaCO3/Kt	1	5	04/21/10 0:00	calc
Acid Neutralization Potential (calc)	M600/2-78-054 1.3	120			t CaCO3/Kt	1	5	04/21/10 0:00	calc
Acid-Base Potential (calc on Sulfur total)	M600/2-78-054 1.3	106			t CaCO3/Kt	1	5	04/21/10 0:00	calc
Carbon, total organic (TOC)	ASA No.9 29-2.2.4 Combustion/IR	17.4	H	*	%	0.1	0.5	04/18/10 4:33	brd
Neutralization Potential as CaCO3	M600/2-78-054 3.2.3	12.0		*	%	0.1	0.5	04/12/10 12:43	bsu
Sulfur Forms	M600/2-78-054 3.2.4-MOD								
Sulfur HCl Residue		0.43	H	*	%	0.01	0.1	04/15/10 0:00	bsu
Sulfur HNO3 Residue		0.03	BH	*	%	0.01	0.1	04/15/10 0:00	bsu
Sulfur Organic Residual Mod		0.03	BH	*	%	0.01	0.1	04/15/10 0:00	bsu
Sulfur Pyritic Sulfide		0.40	H	*	%	0.01	0.1	04/15/10 0:00	bsu
Sulfur Sulfate		0.02	BH	*	%	0.01	0.1	04/15/10 0:00	bsu
Sulfur Total		0.45	H	*	%	0.01	0.1	04/15/10 0:00	bsu
Total Sulfur minus Sulfate		0.43	H	*	%	0.01	0.1	04/15/10 0:00	bsu
Texture by Hydrometer	ASTM D 422 Hydrometer								
Clay		See case narrative							N/A
Sand		See case narrative							N/A
Silt		See case narrative							N/A
Texture Classification		See case narrative							N/A

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							04/02/10 16:49	as/bsu
Crush and Pulverize	USDA No. 1, 1972							04/08/10 10:33	brd/bsu
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2		H					04/08/10 20:08	brd
Sieve-250 um (60 mesh)	ASA No.9, 15-4.2.2		H					04/08/10 10:30	bsu/brd

ACZ Laboratories, Inc.

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Inorganic Analytical Results

American West Analytical Labs

Project ID: 1003373/Spoils-DOGM

Sample ID: NW

ACZ Sample ID: **L81240-05**

Date Sampled: 12/05/09 00:00

Date Received: 03/23/10

Sample Matrix: Soil

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Acid Generation Potential (calc on Sulfur total)	M600/2-78-054 1.3	17			t CaCO3/Kt	1	5	04/21/10 0:00	calc
Acid Neutralization Potential (calc)	M600/2-78-054 1.3	66			t CaCO3/Kt	1	5	04/21/10 0:00	calc
Acid-Base Potential (calc on Sulfur total)	M600/2-78-054 1.3	49			t CaCO3/Kt	1	5	04/21/10 0:00	calc
Carbon, total organic (TOC)	ASA No.9 29-2.2.4 Combustion/IR	23.8	*		%	0.1	0.5	04/18/10 12:40	brd
Neutralization Potential as CaCO3	M600/2-78-054 3.2.3	6.6	*		%	0.1	0.5	04/12/10 13:10	bsu
Sulfur Forms	M600/2-78-054 3.2.4-MOD								
Sulfur HCl Residue		0.50	*		%	0.01	0.1	04/15/10 0:00	bsu
Sulfur HNO3 Residue		0.11	*		%	0.01	0.1	04/15/10 0:00	bsu
Sulfur Organic Residual Mod		0.11	*		%	0.01	0.1	04/15/10 0:00	bsu
Sulfur Pyritic Sulfide		0.39	*		%	0.01	0.1	04/15/10 0:00	bsu
Sulfur Sulfate		0.05	B	*	%	0.01	0.1	04/15/10 0:00	bsu
Sulfur Total		0.55	*		%	0.01	0.1	04/15/10 0:00	bsu
Total Sulfur minus Sulfate		0.50	*		%	0.01	0.1	04/15/10 0:00	bsu
Texture by Hydrometer	ASTM D 422 Hydrometer								
Clay		See case narrative							N/A
Sand		See case narrative							N/A
Silt		See case narrative							N/A
Texture Classification		See case narrative							N/A

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							04/02/10 16:50	as/bsu
Crush and Pulverize	USDA No. 1, 1972							04/08/10 11:04	brd/bsu
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2							04/08/10 23:51	brd
Sieve-250 um (60 mesh)	ASA No.9, 15-4.2.2							04/08/10 11:00	bsu/brd

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Inorganic Analytical Results

American West Analytical Labs

Project ID: 1003373/Spoils-DOGM

Sample ID: NE

ACZ Sample ID: L81240-06

Date Sampled: 12/05/09 00:00

Date Received: 03/23/10

Sample Matrix: Soil

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Acid Generation Potential (calc on Sulfur total)	M600/2-78-054 1.3	14			t CaCO3/Kt	1	5	04/21/10 0:00	calc
Acid Neutralization Potential (calc)	M600/2-78-054 1.3	58			t CaCO3/Kt	1	5	04/21/10 0:00	calc
Acid-Base Potential (calc on Sulfur total)	M600/2-78-054 1.3	44			t CaCO3/Kt	1	5	04/21/10 0:00	calc
Carbon, total organic (TOC)	ASA No.9 29-2.2.4 Combustion/IR	22.8		*	%	0.1	0.5	04/18/10 20:46	brd
Neutralization Potential as CaCO3	M600/2-78-054 3.2.3	5.8		*	%	0.1	0.5	04/12/10 13:38	bsu
Sulfur Forms	M600/2-78-054 3.2.4-MOD								
Sulfur HCl Residue		0.46		*	%	0.01	0.1	04/15/10 0:00	bsu
Sulfur HNO3 Residue		0.15		*	%	0.01	0.1	04/15/10 0:00	bsu
Sulfur Organic		0.15		*	%	0.01	0.1	04/15/10 0:00	bsu
Residual Mod									
Sulfur Pyritic Sulfide		0.31		*	%	0.01	0.1	04/15/10 0:00	bsu
Sulfur Sulfate			U	*	%	0.01	0.1	04/15/10 0:00	bsu
Sulfur Total		0.46		*	%	0.01	0.1	04/15/10 0:00	bsu
Total Sulfur minus Sulfate		0.46		*	%	0.01	0.1	04/15/10 0:00	bsu
Texture by Hydrometer	ASTM D 422 Hydrometer								
Clay		See case narrative							N/A
Sand		See case narrative							N/A
Silt		See case narrative							N/A
Texture Classification		See case narrative							N/A

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							04/02/10 16:51	as/bsu
Crush and Pulverize	USDA No. 1, 1972							04/08/10 11:36	brd/bsu
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2							04/09/10 3:34	brd
Sieve-250 um (60 mesh)	ASA No.9, 15-4.2.2							04/08/10 11:30	bsu/brd

ACZ Laboratories, Inc.

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Inorganic Analytical Results

American West Analytical Labs

Project ID: 1003373/Spoils-DOGM

Sample ID: SW

ACZ Sample ID: **L81240-07**

Date Sampled: 12/05/09 00:00

Date Received: 03/23/10

Sample Matrix: Soil

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Acid Generation Potential (calc on Sulfur total)	M600/2-78-054 1.3	20			t CaCO3/Kt	1	5	04/21/10 0:00	calc
Acid Neutralization Potential (calc)	M600/2-78-054 1.3	61			t CaCO3/Kt	1	5	04/21/10 0:00	calc
Acid-Base Potential (calc on Sulfur total)	M600/2-78-054 1.3	41			t CaCO3/Kt	1	5	04/21/10 0:00	calc
Carbon, total organic (TOC)	ASA No.9 29-2.2.4 Combustion/IR	22.0	*		%	0.1	0.5	04/19/10 4:53	brd
Neutralization Potential as CaCO3	M600/2-78-054 3.2.3	6.1	*		%	0.1	0.5	04/12/10 14:05	bsu
Sulfur Forms	M600/2-78-054 3.2.4-MOD								
Sulfur HCl Residue		0.56		*	%	0.01	0.1	04/15/10 0:00	bsu
Sulfur HNO3 Residue		0.08	B	*	%	0.01	0.1	04/15/10 0:00	bsu
Sulfur Organic Residual Mod		0.08	B	*	%	0.01	0.1	04/15/10 0:00	bsu
Sulfur Pyritic Sulfide		0.48		*	%	0.01	0.1	04/15/10 0:00	bsu
Sulfur Sulfate		0.07	B	*	%	0.01	0.1	04/15/10 0:00	bsu
Sulfur Total		0.63		*	%	0.01	0.1	04/15/10 0:00	bsu
Total Sulfur minus Sulfate		0.56		*	%	0.01	0.1	04/15/10 0:00	bsu
Texture by Hydrometer ASTM D 422 Hydrometer									
Clay		See case narrative							N/A
Sand		See case narrative							N/A
Silt		See case narrative							N/A
Texture Classification		See case narrative							N/A

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							04/02/10 16:53	as/bsu
Crush and Pulverize	USDA No. 1, 1972							04/08/10 12:07	brd/bsu
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2							04/09/10 7:17	brd
Sieve-250 um (60 mesh)	ASA No.9, 15-4.2.2							04/08/10 12:00	bsu/brd

ACZ Laboratories, Inc.

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Inorganic Analytical Results

American West Analytical Labs

Project ID: 1003373/Spoils-DOGM

Sample ID: SE

ACZ Sample ID: L81240-08

Date Sampled: 12/05/09 00:00

Date Received: 03/23/10

Sample Matrix: Soil

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Acid Generation Potential (calc on Sulfur total)	M600/2-78-054 1.3	8			t CaCO3/Kt	1	5	04/21/10 0:00	calc
Acid Neutralization Potential (calc)	M600/2-78-054 1.3	107			t CaCO3/Kt	1	5	04/21/10 0:00	calc
Acid-Base Potential (calc on Sulfur total)	M600/2-78-054 1.3	99			t CaCO3/Kt	1	5	04/21/10 0:00	calc
Carbon, total organic (TOC)	ASA No.9 29-2.2.4 Combustion/IR	11.1	*		%	0.1	0.5	04/19/10 13:00	brd
Neutralization Potential as CaCO3	M600/2-78-054 3.2.3	10.7	*		%	0.1	0.5	04/12/10 14:32	bsu
Sulfur Forms	M600/2-78-054 3.2.4-MOD								
Sulfur HCl Residue		0.19		*	%	0.01	0.1	04/15/10 0:00	bsu
Sulfur HNO3 Residue			U	*	%	0.01	0.1	04/15/10 0:00	bsu
Sulfur Organic Residual Mod			U	*	%	0.01	0.1	04/15/10 0:00	bsu
Sulfur Pyritic Sulfide		0.19		*	%	0.01	0.1	04/15/10 0:00	bsu
Sulfur Sulfate		0.05	B	*	%	0.01	0.1	04/15/10 0:00	bsu
Sulfur Total		0.24		*	%	0.01	0.1	04/15/10 0:00	bsu
Total Sulfur minus Sulfate		0.19		*	%	0.01	0.1	04/15/10 0:00	bsu
Texture by Hydrometer	ASTM D 422 Hydrometer								
Clay		See case narrative							N/A
Sand		See case narrative							N/A
Silt		See case narrative							N/A
Texture Classification		See case narrative							N/A

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							04/02/10 16:54	as/bsu
Crush and Pulverize	USDA No. 1, 1972							04/08/10 12:38	brd/bsu
Sieve-2000 um (2.0mm)	ASA No.9, 15-4.2.2							04/09/10 10:59	brd
Sieve-250 um (60 mesh)	ASA No.9, 15-4.2.2							04/08/10 12:30	bsu/brd

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit. Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit, typically 5 times the MDL.
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	LCSWD	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	LFB	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	LFM	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	LFMD	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	LRB	Laboratory Reagent Blank
ICB	Initial Calibration Blank	MS	Matrix Spike
ICV	Initial Calibration Verification standard	MSD	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	PBS	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	PBW	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	PQV	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	SDL	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

- (1) EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
- (2) EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
- (3) EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
- (5) EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December 1996.
- (6) Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995 & 20th edition (1998).

Comments

- (1) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
- (2) Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
- (3) Animal matrices for Inorganic analyses are reported on an "as received" basis.
- (4) An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.

For a complete list of ACZ's Extended Qualifiers, please click:

<http://www.acz.com/public/extqualist.pdf>

American West Analytical Labs

Project ID: 1003373/Spoils-DOGM

ACZ Project ID: L81240

Carbon, total organic (TOC)

ASA No.9 29-2.2.4 Combustion/IR

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG280841													
WG280841PBS	PBS	04/16/10 12:00				U	%		-0.3	0.3			
L81240-01DUP	DUP	04/17/10 4:13			16.3	16.16	%				0.9	20	ZQ

Neutralization Potential as CaCO₃

M600/2-78-054 3.2.3

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG280549													
WG280549PBS	PBS	04/12/10 10:00				U	%		-0.1	0.1			
WG280549LCSS	LCSS	04/12/10 10:27	PCN33453	100		113.54	%	113.5	80	120			
L81240-01DUP	DUP	04/12/10 11:21			7.5	7.66	%				2.1	20	

Sulfur Organic Residual Mod

M600/2-78-054 3.2.4-MOD

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG280609													
L81240-01DUP	DUP	04/14/10 17:12			.06	.05	%				18.2	20	RA

Sulfur Pyritic Sulfide

M600/2-78-054 3.2.4-MOD

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG280609													
L81240-01DUP	DUP	04/14/10 17:12			.33	.33	%				0	20	

Sulfur Sulfate

M600/2-78-054 3.2.4-MOD

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG280609													
L81240-01DUP	DUP	04/14/10 17:12			U	.02	%				200	20	RA

Sulfur Total

M600/2-78-054 3.2.4-MOD

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG280609													
WG280609PBS	PBS	04/14/10 9:00				U	%		-0.03	0.03			
WG280609LCSS	LCSS	04/14/10 11:44	PCN34425	4.24		4.58	%	108	3.84	4.64			
L81240-01DUP	DUP	04/14/10 17:12			.39	.4	%				2.5	20	

Total Sulfur Minus Sulfate

M600/2-78-054 3.2.4-MOD

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG280609													
L81240-01DUP	DUP	04/14/10 17:12			.39	.38	%				2.6	20	

American West Analytical Labs

ACZ Project ID: **L81240**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L81240-01	WG280841	Carbon, total organic (TOC)	ASA No.9 29-2.2.4 Combustion/IR	ZQ	Analyte was not evaluated in the laboratory control standard. Either the analyte is not included in the scope of the analytical method or a commercial standard containing the analyte is not available.
	WG280609	Sulfur Organic Residual Mod	M600/2-78-054 3.2.4-MOD	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4-MOD	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L81240-02	WG280841	Carbon, total organic (TOC)	ASA No.9 29-2.2.4 Combustion/IR	ZQ	Analyte was not evaluated in the laboratory control standard. Either the analyte is not included in the scope of the analytical method or a commercial standard containing the analyte is not available.
	WG280609	Sulfur Organic Residual Mod	M600/2-78-054 3.2.4-MOD	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4-MOD	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L81240-03	WG280841	Carbon, total organic (TOC)	ASA No.9 29-2.2.4 Combustion/IR	ZQ	Analyte was not evaluated in the laboratory control standard. Either the analyte is not included in the scope of the analytical method or a commercial standard containing the analyte is not available.
	WG280609	Sulfur Organic Residual Mod	M600/2-78-054 3.2.4-MOD	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4-MOD	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L81240-04	WG280841	Carbon, total organic (TOC)	ASA No.9 29-2.2.4 Combustion/IR	ZQ	Analyte was not evaluated in the laboratory control standard. Either the analyte is not included in the scope of the analytical method or a commercial standard containing the analyte is not available.
	WG280609	Sulfur Organic Residual Mod	M600/2-78-054 3.2.4-MOD	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4-MOD	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L81240-05	WG280841	Carbon, total organic (TOC)	ASA No.9 29-2.2.4 Combustion/IR	ZQ	Analyte was not evaluated in the laboratory control standard. Either the analyte is not included in the scope of the analytical method or a commercial standard containing the analyte is not available.
	WG280609	Sulfur Organic Residual Mod	M600/2-78-054 3.2.4-MOD	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4-MOD	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L81240-06	WG280841	Carbon, total organic (TOC)	ASA No.9 29-2.2.4 Combustion/IR	ZQ	Analyte was not evaluated in the laboratory control standard. Either the analyte is not included in the scope of the analytical method or a commercial standard containing the analyte is not available.
	WG280609	Sulfur Organic Residual Mod	M600/2-78-054 3.2.4-MOD	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4-MOD	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).

American West Analytical Labs

ACZ Project ID: **L81240**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L81240-07	WG280841	Carbon, total organic (TOC)	ASA No.9 29-2.2.4 Combustion/IR	ZQ	Analyte was not evaluated in the laboratory control standard. Either the analyte is not included in the scope of the analytical method or a commercial standard containing the analyte is not available.
	WG280609	Sulfur Organic Residual Mod	M600/2-78-054 3.2.4-MOD	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4-MOD	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
L81240-08	WG280841	Carbon, total organic (TOC)	ASA No.9 29-2.2.4 Combustion/IR	ZQ	Analyte was not evaluated in the laboratory control standard. Either the analyte is not included in the scope of the analytical method or a commercial standard containing the analyte is not available.
	WG280609	Sulfur Organic Residual Mod	M600/2-78-054 3.2.4-MOD	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).
		Sulfur Sulfate	M600/2-78-054 3.2.4-MOD	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).

American West Analytical LabsACZ Project ID: **L81240**

Soil Analysis

The following parameters are not offered for certification or are not covered by NELAP certificate #ACZ.

Carbon, total organic (TOC)	ASA No.9 29-2.2.4 Combustion/IR
Neutralization Potential as CaCO ₃	M600/2-78-054 3.2.3
Sulfur HCl Residue	M600/2-78-054 3.2.4-MOD
Sulfur HNO ₃ Residue	M600/2-78-054 3.2.4-MOD
Sulfur Organic Residual Mod	M600/2-78-054 3.2.4-MOD
Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4-MOD
Sulfur Sulfate	M600/2-78-054 3.2.4-MOD
Sulfur Total	M600/2-78-054 3.2.4-MOD
Total Sulfur minus Sulfate	M600/2-78-054 3.2.4-MOD

American West Analytical Labs
1003373/Spoils-DOGM

ACZ Project ID: L81240

Date Received: 03/23/2010 08:25

Received By: gac

Date Printed: 3/23/2010

Receipt Verification

- 1) Does this project require special handling procedures such as CLP protocol?
- 2) Are the custody seals on the cooler intact?
- 3) Are the custody seals on the sample containers intact?
- 4) Is there a Chain of Custody or other directive shipping papers present?
- 5) Is the Chain of Custody complete?
- 6) Is the Chain of Custody in agreement with the samples received?
- 7) Is there enough sample for all requested analyses?
- 8) Are all samples within holding times for requested analyses?
- 9) Were all sample containers received intact?
- 10) Are the temperature blanks present?
- 11) Are the trip blanks (VOA and/or Cyanide) present?
- 12) Are samples requiring no headspace, headspace free?
- 13) Do the samples that require a Foreign Soils Permit have one?

YES	NO	NA
		X
X		
		X
X		
X		
X		
X		
X		
		X
		X
		X
		X

Exceptions: If you answered no to any of the above questions, please describe

N/A

Contact (For any discrepancies, the client must be contacted)

The client was not contacted.

Shipping Containers

Cooler Id	Temp (°C)	Rad (µR/hr)
NA10485	3.3	15

Client must contact ACZ Project Manager if analysis should not proceed for samples received outside of thermal preservation acceptance criteria.

Notes

American West Analytical Labs
1003373/Spoils-DOGM

ACZ Project ID: L81240
Date Received: 03/23/2010 08:25
Received By: gac
Date Printed: 3/23/2010

Sample Container Preservation

SAMPLE	CLIENT ID	R < 2	G < 2	BK < 2	Y < 2	YG < 2	B < 2	O < 2	T > 12	N/A	RAD	ID
L81240-01	NW									X		
L81240-02	NE									X		
L81240-03	SW									X		
L81240-04	SE									X		
L81240-05	NW									X		
L81240-06	NE									X		
L81240-07	SW									X		
L81240-08	SE									X		

Sample Container Preservation Legend

Abbreviation	Description	Container Type	Preservative/Limits
R	Raw/Nitric	RED	pH must be < 2
B	Filtered/Sulfuric	BLUE	pH must be < 2
BK	Filtered/Nitric	BLACK	pH must be < 2
G	Filtered/Nitric	GREEN	pH must be < 2
O	Raw/Sulfuric	ORANGE	pH must be < 2
P	Raw/NaOH	PURPLE	pH must be > 12 *
T	Raw/NaOH Zinc Acetate	TAN	pH must be > 12
Y	Raw/Sulfuric	YELLOW	pH must be < 2
YG	Raw/Sulfuric	YELLOW GLASS	pH must be < 2
N/A	No preservative needed	Not applicable	
RAD	Gamma/Beta dose rate	Not applicable	must be < 250 µR/hr

* pH check performed by analyst prior to sample preparation

Sample IDs Reviewed By: gac

American West Analytical Laboratories

Client: American West Analytical Laboratories
Address: 463 W. 3600 S.
Salt Lake City, UT 84115

Project Name: **Spoils - DOGM**
PO#: **1003373**

Chain of Custody

Contact: Elona Hayward
Phone: (801) 263-8686
Fax: (801) 263-8687
Email: elona@awal-labs.com
rebekah@awal-labs.com

Lab Sample Set #

Page 1 of 1

QC Level:

Turn Around Time

Standard

Sample ID:	Date Sampled	Time	# of Containers	Sample Matrix	ABA, ANP, AGP Calculations	TOC	Particle Size	Total Sulfur	Neutralization Potential	Comments
1 NW	8/10/2009		1 S		X	X	X	X	X	
2 NE	8/10/2009		1 S		X	X	X	X	X	
3 SW	8/10/2009		1 S		X	X	X	X	X	
4 SE	8/10/2009		1 S		X	X	X	X	X	
5 NW	12/5/2009		1 S		X	X	X	X	X	
6 NE	12/5/2009		1 S		X	X	X	X	X	
7 SW	12/5/2009		1 S		X	X	X	X	X	
8 SE	12/5/2009		1 S		X	X	X	X	X	
9										
10										
11										
12										
13										
14										
15										

Samples to ACZ Labs.

Appropriate Utah state certifications required.

Special Instructions: Include project name and PO# on final report and invoice. Email results to both Elona and Rebekah.

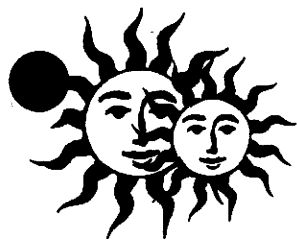
Relinquished by: <u>Denise Brown</u>	Date: <u>3/22/10</u>	Received by: <u>Signature</u>	Date: <u>3/23/10</u>
Print Name: <u>Denise Brown</u>	Time: <u>11:00</u>	Print Name: <u>Signature</u>	Time: <u>8:30</u>
Relinquished by: <u>Signature</u>	Date: <u></u>	Received by: <u>Signature</u>	Date: <u></u>
Print Name: <u></u>	Time: <u></u>	Print Name: <u></u>	Time: <u></u>



APPENDIX A CERTIFIED REPORTS

SECOND QUARTER INSPECTION

IMPOUNDMENTS, REFUSE PILE AND DISPOSAL AREAS



Sunnyside Cogeneration Associates

P.O. Box 10, East Carbon, Utah 84520 • (435) 888-4476 • Fax (435) 888-2538

July 28, 2010

Daron Haddock
Utah Division of Oil, Gas & Mining
1594 W. North Temple, Suite 1210
Salt Lake City, Utah 84116

RE: 2nd Quarter 2010 Inspection Report
Sunnyside Refuse Pile C/007/035

Dear Daron:

Please find enclosed a copy of the Second Quarter 2010 Inspection Report for Sunnyside Cogeneration Associates' impoundments, refuse pile and excess spoil areas.

Should you have any questions, please contact Rusty Netz or myself at (435)888-4476.

Thank You,

Richard Carter
Agent For
Sunnyside Cogeneration Associates

c.c. Steve Gross
William Rossiter
Paul Shepard
Maggie Estrada
Rusty Netz
Plant File

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

GENERAL INFORMATION

Railcut Sediment Pond

Report Date July 20, 2010
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name RailCut Sediment Pond
Impoundment Number 007
UPDES Permit Number UT024759
MSHA ID Number N/A

IMPOUNDMENT INSPECTION

Inspection Date June 25, 2010
Inspected by Rusty Netz
Reason for Inspection Second Quarter Inspection 2010

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 4.8 Acre-feet
Pond bottom elevation = 6206.0
100% Sediment Storage Volume = 0.34 acre-feet at Elevation 6209
60% sediment Storage Volume = 0.2 acre feet at Elevation = 6207.7
Existing Sediment Elevation = 6207.2 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6209.07
Emergency Spillway Elevation = 6212.34

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on out slopes of embankments, etc.

Pond had some water in it. No samples were taken Pond did not require decanting
Sediment levels were good
Embankment conditions were good. Vegetation on out slopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Rail Cut Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed

Some water was impounded

No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: _____

Rusty nety

Date: _____

7/27/10

CERTIFIED REPORT IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan? YES
2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? YES
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? YES

COMMENTS/ OTHER INFORMATION

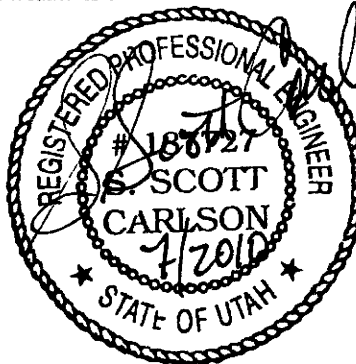
None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH

Affix Signature, Stamp and Date



IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Old Coarse Refuse Road Sediment Pond

GENERAL INFORMATION

Report Date July 20, 2010
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name Old Coarse Refuse Road Sediment Pond
Impoundment Number 008
UPDES Permit Number UT024759
MSHA ID Number N/A

IMPOUNDMENT INSPECTION

Inspection Date June 25, 2010
Inspected by Rusty Netz
Reason for Inspection Second Quarter Inspection 2010

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 0.9 Acre-feet
Pond bottom elevation = 6394.0
100% Sediment Storage Volume = 0.08 acre-feet at Elevation 6395.1
60% sediment Storage Volume = 0.05 acre feet at Elevation = 6394.75
Existing Sediment Elevation = 6394.4 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6395.75
Emergency Spillway Elevation = 6399.4

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had some water in it. No samples were taken Pond did not require decanting.
Sediment level was good.
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Old Coarse Refuse Road Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed

Some water was impounded

Sediment level was good.

No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: _____

Rusty Rety

Date: _____

7/27/10

CERTIFIED REPORT

IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

- | | |
|--|------------|
| 1. Is impoundment designed and constructed in accordance with the approved plan? | <u>YES</u> |
| 2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? | <u>YES</u> |
| 3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? | <u>YES</u> |

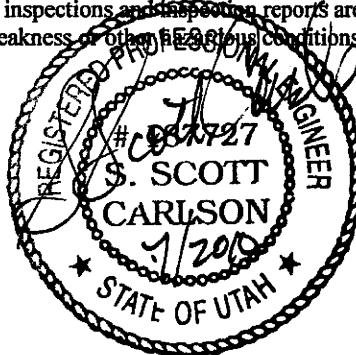
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Pasture Sediment Pond

GENERAL INFORMATION

Report Date July 20, 2010
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name Pasture Sediment Pond
Impoundment Number 009
UPDES Permit Number UT024759
MSHA ID Number N/A

IMPOUNDMENT INSPECTION

Inspection Date June 25, 2010
Inspected by Rusty Netz
Reason for Inspection Second Quarter Inspection 2010

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 3.2 Acre-feet
Pond bottom elevation = 6484.5
100% Sediment Storage Volume = 0.42 acre-feet at Elevation 6486.2
60% sediment Storage Volume = 0.25 acre feet at Elevation = 6485.5
Existing Sediment Elevation = 6485.1 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6486.6
Emergency Spillway Elevation = 6490.6

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on out slopes of embankments, etc.

Pond had some water in it. No samples were taken Pond did not require decanting.
Sediment level was good
Embankment conditions were good. Vegetation on out slopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Pasture Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure were observed.

A small amount of water was impounded

Sediment level was good.

No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: _____

Rusty Rety

Date: _____

7/27/10

CERTIFIED REPORT IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

- | | |
|--|------------|
| 1. Is impoundment designed and constructed in accordance with the approved plan? | <u>YES</u> |
| 2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? | <u>YES</u> |
| 3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? | <u>YES</u> |

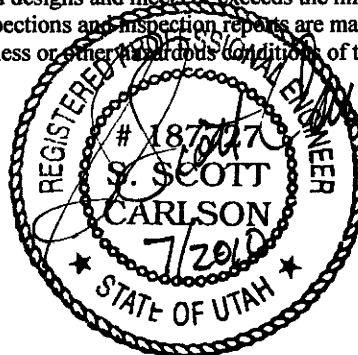
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Coarse Refuse Toe Sediment Pond

GENERAL INFORMATION

Report Date July 20, 2010
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name New Coarse Refuse Toe Sediment Pond
Impoundment Number 012
UPDES Permit Number UT024759
MSHA ID Number N/A

IMPOUNDMENT INSPECTION

Inspection Date June 25, 2010
Inspected by Rusty Netz
Reason for Inspection Second Quarter Inspection 2010

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 1.6 Acre-feet
Pond bottom elevation = 6176.0
100% Sediment Storage Volume = 0.07 acre-feet at Elevation 6177.8
60% sediment Storage Volume = 0.03 acre feet at Elevation = 6177.0
Existing Sediment Elevation = 6176.6 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6178.2
Emergency Spillway Elevation = 6183.63

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had some water in it. No samples were taken Pond did not require decanting
Sediment level was good
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Coarse Refuse Toe Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed

Some water was impounded

Sediment level was good.

No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty nty Date: 7/27/10

CERTIFIED REPORT IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

- | | |
|--|------------|
| 1. Is impoundment designed and constructed in accordance with the approved plan? | <u>YES</u> |
| 2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? | <u>YES</u> |
| 3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? | <u>YES</u> |

COMMENTS/ OTHER INFORMATION

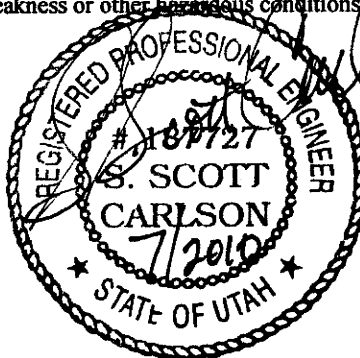
None

CERTIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH

Affix Signature, Stamp and Date



IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

GENERAL INFORMATION

Coal Pile Sediment Pond

Report Date July 20, 2010
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name Coal Pile Sediment Pond
Impoundment Number 014
UPDES Permit Number UT024759
MSHA ID Number N/A

IMPOUNDMENT INSPECTION

Inspection Date June 25, 2010
Inspected by Rusty Netz
Reason for Inspection Second Quarter Inspection 2010

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 1.5 Acre-feet
Pond bottom elevation = 6473.0
100% Sediment Storage Volume = 0.5 acre-feet at Elevation 6476.0
60% sediment Storage Volume = 0.3 acre feet at Elevation = 6474.7
Existing Sediment Elevation = 6474 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6476.0
Secondary Dewatering Orifice = 6477.2
Primary Spillway Elevation = 6477.9
Emergency Spillway Elevation = 6479.0

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on out slopes of embankments, etc.

Pond had some water in it. No samples were taken Pond did not require decanting.
Sediment level was good.
Embankment conditions were good. Vegetation on out slopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Coal Pile Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed

A small amount of water was impounded

Sediment level was good.

No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Nety Date: 7/27/10

CERTIFIED REPORT IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

- | | |
|--|------------|
| 1. Is impoundment designed and constructed in accordance with the approved plan? | <u>YES</u> |
| 2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? | <u>YES</u> |
| 3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? | <u>YES</u> |

COMMENTS/ OTHER INFORMATION

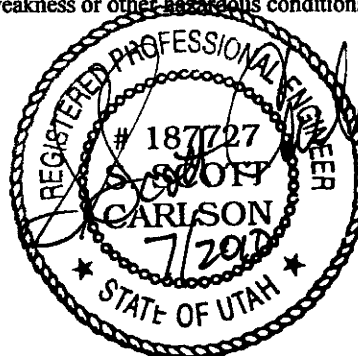
None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH

Affix Signature, Stamp and Date



IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Borrow Area Sediment Pond

GENERAL INFORMATION

Report Date July 20, 2010
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name Borrow Area Sediment Pond
Impoundment Number 016
UPDES Permit Number UT024759
MSHA ID Number N/A

IMPOUNDMENT INSPECTION

Inspection Date June 25, 2010
Inspected by Rusty Netz
Reason for Inspection Second Quarter Inspection 2010

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 8.3 Acre-feet
Pond bottom elevation = 6510.0
100% Sediment Storage Volume = 2.3 acre-feet at Elevation 6514.3
60% sediment Storage Volume = 1.4 acre feet at Elevation = 6513.3
Existing Sediment Elevation = 6511 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6514.3
Emergency Spillway Elevation = 6517.03

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on out slopes of embankments, etc.

Pond had no water in it. No samples were taken
Sediment level was good. Pond did not require decanting.
Embankment conditions were good. Vegetation on out slopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Borrow Area Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed

No water was impounded

Sediment level was good.

No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: _____

Rusty Rutz

Date: _____

7/27/10

CERTIFIED REPORT IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

- | | |
|--|------------|
| 1. Is impoundment designed and constructed in accordance with the approved plan? | <u>YES</u> |
| 2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? | <u>YES</u> |
| 3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? | <u>YES</u> |

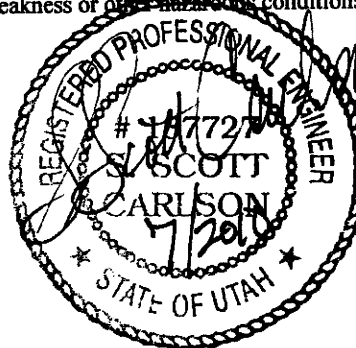
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

GENERAL INFORMATION

Coarse Refuse Pile

Report Date July 20, 2010
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

EXCESS SPOIL PILE OR REFUSE PILE IDENTIFICATION

Pile Name Coarse Refuse Pile
Pile Number N/A
MSHA ID Number 1211-UT-09-02093-01

Inspection Date June 25, 2010
Inspected by Rusty Netz
Reason for Inspection Second Quarter Inspection 2010

Attachment to Report? (such as refuse sample analysis or photos) **NO**

Field Evaluation

1. Foundation preparation, including the removal of all organic material and topsoil.

N/A

2. Placement of underdrains and protective filter systems.

N/A

3. Installation of final surface drainage systems

N/A

4. Placement and compaction of fill materials

N/A - Activities occurring at this time are associated with removal of refuse material

5. Final grading and revegetation of fill.

N/A

6. Appearances of instability, structural weakness, and other hazardous conditions

No aspects of the Fill structure were observed that could affect its stability or functionality

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

Coarse Refuse Pile

7. Other comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period

Refuse material is actively being excavated and removed from various locations across the top of the pile

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: _____

Date: _____

Rusty sety

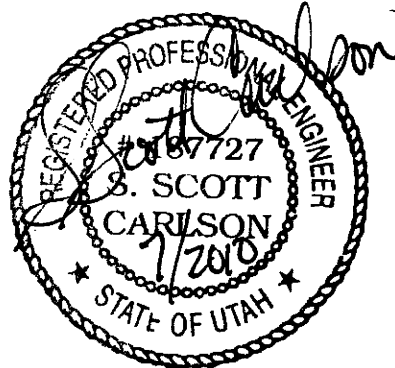
7/27/10

CERTIFICATION STATEMENT

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH

Affix Signature, Stamp and Date



INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

GENERAL INFORMATION

Excess Spoil Disposal Area #1

Report Date July 20, 2010
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

EXCESS SPOIL PILE OR REFUSE PILE IDENTIFICATION

File Name Excess Spoil Disposal Area #1
File Number N/A
MSHA ID Number 1211-UT-09-02093-04

Inspection Date June 25, 2010
Inspected by Rusty Netz
Reason for Inspection Second Quarter Inspection 2010

Attachment to Report? (such as refuse sample analysis or photos) **NO**

Field Evaluation

1. Foundation preparation, including the removal of all organic material and topsoil.

N/A

2. Placement of underdrains and protective filter systems.

N/A

3. Installation of final surface drainage systems

N/A

4. Placement and compaction of fill materials

Approximately 11,095 tons of material were placed during the quarter.

5. Final grading and revegetation of fill.

N/A

6. Appearances of instability, structural weakness, and other hazardous conditions

No aspects of the Fill structure were observed that could affect its stability or functionality

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

Excess Spoil Disposal Area #1

7. Other comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period

Construction of the fill has been proceeding in shallow lifts in general conformance with the approved plan.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

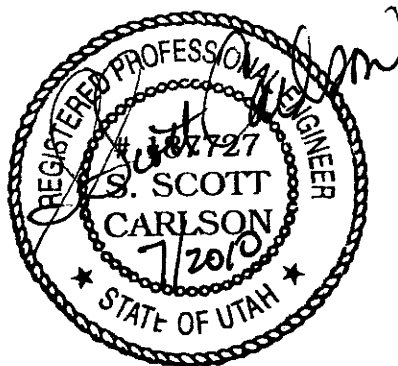
Signature: Rusty nty Date: 7/27/10

CERTIFICATION STATEMENT

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH

Affix Signature, Stamp and Date



INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

GENERAL INFORMATION

Excess Spoil Disposal Area #2

Report Date July 20, 2010
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

EXCESS SPOIL PILE OR REFUSE PILE IDENTIFICATION

Pile Name Excess Spoil Disposal Area #2
Pile Number N/A
MSHA ID Number 1211-UT-09-02093-05

Inspection Date June 25, 2010
Inspected by Rusty Netz
Reason for Inspection Second Quarter Inspection 2010

Attachment to Report? (such as refuse sample analysis or photos) **NO**

Field Evaluation

1. Foundation preparation, including the removal of all organic material and topsoil.

Existing disturbed site. No additional topsoil removal is required by the approved plan

2. Placement of underdrains and protective filter systems.

No under-drains or filters area required by the approved plan

3. Installation of final surface drainage systems

N/A

4. Placement and compaction of fill materials

No new material was placed in this disposal area during the quarter.

5. Final grading and revegetation of fill.

N/A

6. Appearances of instability, structural weakness, and other hazardous conditions

No aspects of the Fill structure were observed that could affect its stability or functionality

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

Excess Spoil Disposal Area #2

7. Other comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period

Construction of the fill has been proceeding in shallow lifts in general conformance with the approved plan.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: _____

Rusty net

Date: _____

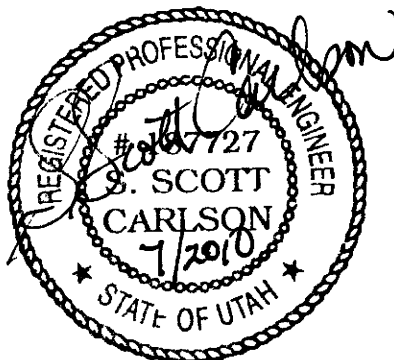
7/27/10

CERTIFICATION STATEMENT

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH

Affix Signature, Stamp and Date

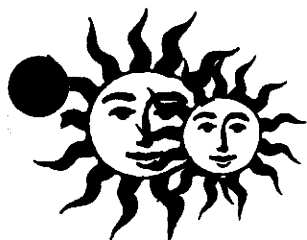




APPENDIX A CERTIFIED REPORTS

THIRD QUARTER INSPECTION

IMPOUNDMENTS, REFUSE PILE AND DISPOSAL AREAS



Sunnyside Cogeneration Associates

P.O. Box 10, East Carbon, Utah 84520 • (435) 888-4476 • Fax (435) 888-2538

October 14, 2010

Daron Haddock
Utah Division of Oil, Gas & Mining
1594 W. North Temple, Suite 1210
Salt Lake City, Utah 84116

RE: 3rd Quarter 2010 Inspection Report
Sunnyside Refuse Pile C/007/035

Dear Daron:

Please find enclosed a copy of the Third Quarter 2010 Inspection Report for Sunnyside Cogeneration Associates' impoundments, refuse pile and excess spoil areas.

Should you have any questions, please contact Rusty Netz or myself at (435)888-4476.

Thank You,

Richard Carter
Agent For
Sunnyside Cogeneration Associates

c.c. Steve Gross
William Rossiter
Paul Shepard
Maggie Estrada
Rusty Netz
Plant File

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

GENERAL INFORMATION

Railcut Sediment Pond

Report Date October 11, 2010
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name RailCut Sediment Pond
Impoundment Number 007
UPDES Permit Number UT024759
MSHA ID Number N/A

IMPOUNDMENT INSPECTION

Inspection Date Sept 23, 2010
Inspected by Rusty Netz
Reason for Inspection Third Quarter Inspection 2010

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 4.8 Acre-feet
Pond bottom elevation = 6206.0
100% Sediment Storage Volume = 0.34 acre-feet at Elevation 6209
60% sediment Storage Volume = 0.2 acre feet at Elevation = 6207.7
Existing Sediment Elevation = 6207.2 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6209.07
Emergency Spillway Elevation = 6212.34

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on out slopes of embankments, etc.

Pond had some water in it. No samples were taken Pond did not require decanting
Sediment levels were good
Embankment conditions were good. Vegetation on out slopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Rail Cut Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed

Some water was impounded

No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: _____

Rusty Rety

Date: _____

10/14/10

CERTIFIED REPORT IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan?
2. Is impoundment free of instability, structural weakness, or any other hazardous conditions?
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?

YES

YES

YES

COMMENTS/ OTHER INFORMATION

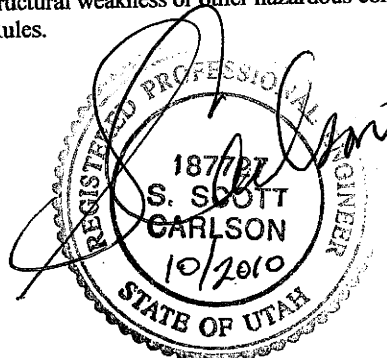
None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH

Affix Signature, Stamp and Date



IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Old Coarse Refuse Road Sediment Pond

GENERAL INFORMATION

Report Date October 11, 2010
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name Old Coarse Refuse Road Sediment Pond
Impoundment Number 008
UPDES Permit Number UT024759
MSHA ID Number N/A

IMPOUNDMENT INSPECTION

Inspection Date Sept 23, 2010
Inspected by Rusty Netz
Reason for Inspection Third Quarter Inspection 2010

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 0.9 Acre-feet
Pond bottom elevation = 6394.0
100% Sediment Storage Volume = 0.08 acre-feet at Elevation 6395.1
60% sediment Storage Volume = 0.05 acre feet at Elevation = 6394.75
Existing Sediment Elevation = 6394.4 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6395.75
Emergency Spillway Elevation = 6399.4

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on out slopes of embankments, etc.

Pond had some water in it. No samples were taken Pond did not require decanting.
Sediment level was good.

Embankment conditions were good. Vegetation on out slopes was adequate.

Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Old Coarse Refuse Road Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed

Some water was impounded

Sediment level was good.

No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty naty

Date: 10/15/10

CERTIFIED REPORT

IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan?
2. Is impoundment free of instability, structural weakness, or any other hazardous conditions?
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?

YES

YES

YES

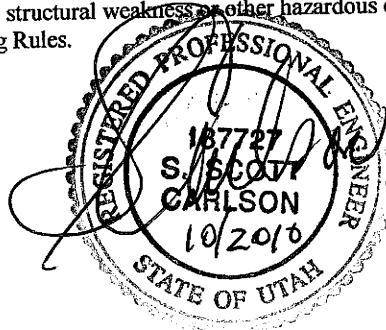
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Pasture Sediment Pond

GENERAL INFORMATION

Report Date October 11, 2010
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name Pasture Sediment Pond
Impoundment Number 009
UPDES Permit Number UT024759
MSHA ID Number N/A

IMPOUNDMENT INSPECTION

Inspection Date Sept 23, 2010
Inspected by Rusty Netz
Reason for Inspection Third Quarter Inspection 2010

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 3.2 Acre-feet
Pond bottom elevation = 6484.5
100% Sediment Storage Volume = 0.42 acre-feet at Elevation 6486.2
60% sediment Storage Volume = 0.25 acre feet at Elevation = 6485.5
Existing Sediment Elevation = 6485.1 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6486.6
Emergency Spillway Elevation = 6490.6

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on out slopes of embankments, etc.

Pond had some water in it. No samples were taken Pond did not require decanting.
Sediment level was good
Embankment conditions were good. Vegetation on out slopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Pasture Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure were observed.

A small amount of water was impounded

Sediment level was good.

No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Rety

Date: 10/15/10

CERTIFIED REPORT IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan?
2. Is impoundment free of instability, structural weakness, or any other hazardous conditions?
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?

YES

YES

YES

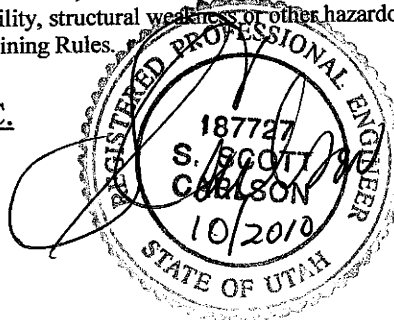
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Coarse Refuse Toe Sediment Pond

GENERAL INFORMATION

Report Date October 11, 2010
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name New Coarse Refuse Toe Sediment Pond
Impoundment Number 012
UPDES Permit Number UT024759
MSHA ID Number N/A

IMPOUNDMENT INSPECTION

Inspection Date Sept 23, 2010
Inspected by Rusty Netz
Reason for Inspection Third Quarter Inspection 2010

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 1.6 Acre-feet
Pond bottom elevation = 6176.0
100% Sediment Storage Volume = 0.07 acre-feet at Elevation 6177.8
60% sediment Storage Volume = 0.03 acre feet at Elevation = 6177.0
Existing Sediment Elevation = 6176.6 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6178.2
Emergency Spillway Elevation = 6183.63

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on out slopes of embankments, etc.

Pond had some water in it. No samples were taken Pond did not require decanting
Sediment level was good
Embankment conditions were good. Vegetation on out slopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Coarse Refuse Toe Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed

Some water was impounded

Sediment level was good.

No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: _____

Rusty nety

Date: _____

10/15/10

CERTIFIED REPORT

IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan?
2. Is impoundment free of instability, structural weakness, or any other hazardous conditions?
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?

YES

YES

YES

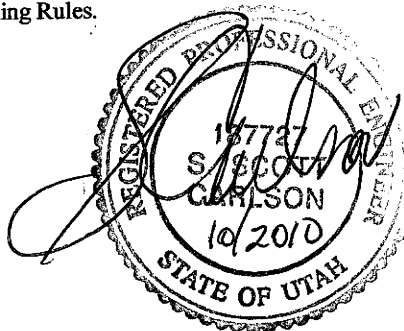
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

GENERAL INFORMATION

Coal Pile Sediment Pond

Report Date October 11, 2010
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name Coal Pile Sediment Pond
Impoundment Number 014
UPDES Permit Number UT024759
MSHA ID Number N/A

IMPOUNDMENT INSPECTION

Inspection Date Sept 23, 2010
Inspected by Rusty Netz
Reason for Inspection Third Quarter Inspection 2010

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 1.5 Acre-feet
Pond bottom elevation = 6473.0
100% Sediment Storage Volume = 0.5 acre-feet at Elevation 6476.0
60% sediment Storage Volume = 0.3 acre feet at Elevation = 6474.7
Existing Sediment Elevation = 6474 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6476.0
Secondary Dewatering Orifice = 6477.2
Primary Spillway Elevation = 6477.9
Emergency Spillway Elevation = 6479.0

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on out slopes of embankments, etc.

Pond had some water in it. No samples were taken Pond did not require decanting.
Sediment level was good.
Embankment conditions were good. Vegetation on out slopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Coal Pile Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed

A small amount of water was impounded

Sediment level was good.

No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty noty

Date: 10/15/10

CERTIFIED REPORT

IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan?
2. Is impoundment free of instability, structural weakness, or any other hazardous conditions?
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?

YES

YES

YES

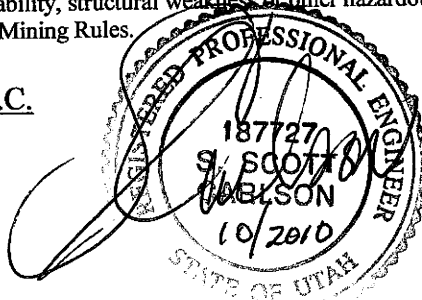
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Borrow Area Sediment Pond

GENERAL INFORMATION

Report Date October 11, 2010
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name Borrow Area Sediment Pond
Impoundment Number 016
UPDES Permit Number UT024759
MSHA ID Number N/A

IMPOUNDMENT INSPECTION

Inspection Date Sept 23, 2010
Inspected by Rusty Netz
Reason for Inspection Third Quarter Inspection 2010

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 8.3 Acre-feet
Pond bottom elevation = 6510.0
100% Sediment Storage Volume = 2.3 acre-feet at Elevation 6514.3
60% sediment Storage Volume = 1.4 acre feet at Elevation = 6513.3
Existing Sediment Elevation = 6511 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6514.3
Emergency Spillway Elevation = 6517.03

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on out slopes of embankments, etc.

Pond had no water in it. No samples were taken
Sediment level was good. Pond did not require decanting.
Embankment conditions were good. Vegetation on out slopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Borrow Area Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed

No water was impounded

Sediment level was good.

No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: _____

Rusty Nitz

Date: _____

10/15/10

CERTIFIED REPORT

IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

1. Is impoundment designed and constructed in accordance with the approved plan?
2. Is impoundment free of instability, structural weakness, or any other hazardous conditions?
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?

YES

YES

YES

COMMENTS/ OTHER INFORMATION

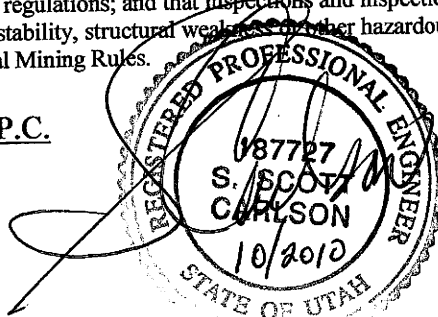
None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.

P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

GENERAL INFORMATION

Coarse Refuse Pile

Report Date October 11, 2010
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

EXCESS SPOIL PILE OR REFUSE PILE IDENTIFICATION

Pile Name Coarse Refuse Pile
Pile Number N/A
MSHA ID Number 1211-UT-09-02093-01

Inspection Date Sept 23, 2010
Inspected by Rusty Netz
Reason for Inspection Third Quarter Inspection 2010

Attachment to Report? (such as refuse sample analysis or photos) **NO**

Field Evaluation

1. Foundation preparation, including the removal of all organic material and topsoil.

N/A

2. Placement of underdrains and protective filter systems.

N/A

3. Installation of final surface drainage systems

N/A

4. Placement and compaction of fill materials

N/A - Activities occurring at this time are associated with removal of refuse material

5. Final grading and revegetation of fill.

N/A

6. Appearances of instability, structural weakness, and other hazardous conditions

No aspects of the Fill structure were observed that could affect its stability or functionality

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

Coarse Refuse Pile

7. Other comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period

Refuse material is actively being excavated and removed from various locations across the top of the pile

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

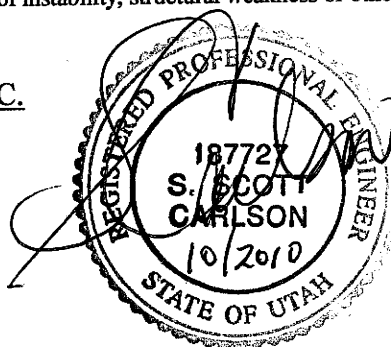
Signature: Rusty Rety Date: 10/15/10

CERTIFICATION STATEMENT

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH

Affix Signature, Stamp and Date



INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

GENERAL INFORMATION

Excess Spoil Disposal Area #1

Report Date October 11, 2010
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

EXCESS SPOIL PILE OR REFUSE PILE IDENTIFICATION

Pile Name Excess Spoil Disposal Area #1
Pile Number N/A
MSHA ID Number 1211-UT-09-02093-04

Inspection Date Sept 23, 2010
Inspected by Rusty Netz
Reason for Inspection Third Quarter Inspection 2010

Attachment to Report? (such as refuse sample analysis or photos) **NO**

Field Evaluation

1. Foundation preparation, including the removal of all organic material and topsoil.

N/A

2. Placement of underdrains and protective filter systems.

N/A

3. Installation of final surface drainage systems

N/A

4. Placement and compaction of fill materials

Approximately 17,290 tons of material were placed during the quarter.

5. Final grading and revegetation of fill.

N/A

6. Appearances of instability, structural weakness, and other hazardous conditions

No aspects of the Fill structure were observed that could affect its stability or functionality

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

Excess Spoil Disposal Area #1

7. Other comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period

Construction of the fill has been proceeding in shallow lifts in general conformance with the approved plan.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

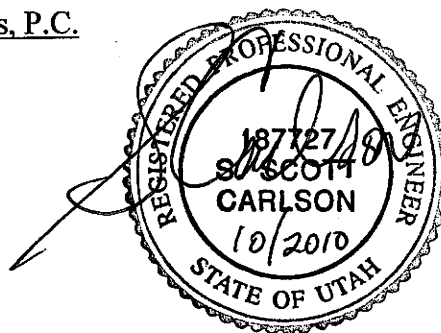
Signature: Rusty Rutz Date: 10/15/10

CERTIFICATION STATEMENT

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH

Affix Signature, Stamp and Date



INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

GENERAL INFORMATION

Excess Spoil Disposal Area #2

Report Date October 11, 2010
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

EXCESS SPOIL PILE OR REFUSE PILE IDENTIFICATION

Pile Name Excess Spoil Disposal Area #2
Pile Number N/A
MSHA ID Number 1211-UT-09-02093-05

Inspection Date Sept 23, 2010
Inspected by Rusty Netz
Reason for Inspection Third Quarter Inspection 2010

Attachment to Report? (such as refuse sample analysis or photos) **NO**

Field Evaluation

1. Foundation preparation, including the removal of all organic material and topsoil.

Existing disturbed site. No additional topsoil removal is required by the approved plan

2. Placement of underdrains and protective filter systems.

No under-drains or filters are required by the approved plan

3. Installation of final surface drainage systems

N/A

4. Placement and compaction of fill materials

No new material was placed in this disposal area during the quarter.

5. Final grading and revegetation of fill.

N/A

6. Appearances of instability, structural weakness, and other hazardous conditions

No aspects of the Fill structure were observed that could affect its stability or functionality

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

Excess Spoil Disposal Area #2

7. Other comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period

Construction of the fill has been proceeding in shallow lifts in general conformance with the approved plan.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

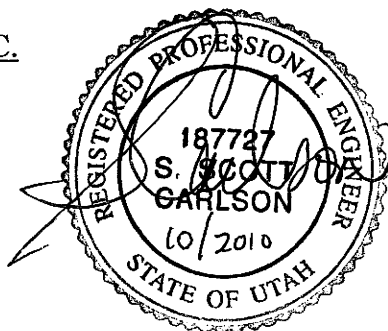
Signature: Rusty Netty Date: 10/15/10

CERTIFICATION STATEMENT

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH

Affix Signature, Stamp and Date

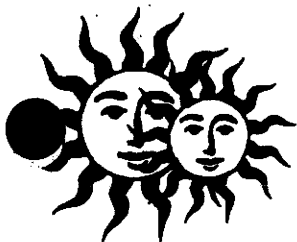




APPENDIX A CERTIFIED REPORTS

FOURTH QUARTER INSPECTION

IMPOUNDMENTS, REFUSE PILE AND DISPOSAL AREAS



Sunnyside Cogeneration Associates

P.O. Box 10, East Carbon, Utah 84520 • (435) 888-4476 • Fax (435) 888-2538

January 13, 2011

Daron Haddock
Utah Division of Oil, Gas & Mining
1594 W. North Temple, Suite 1210
Salt Lake City, Utah 84116

RE: 4th Quarter 2010 Inspection Report
Sunnyside Refuse Pile C/007/035

Dear Daron:

Please find enclosed a copy of the Fourth Quarter 2010 Inspection Report for Sunnyside Cogeneration Associates' impoundments, refuse pile and excess spoil areas.

Should you have any questions, please contact Rusty Netz or myself at (435)888-4476.

Thank You,

Richard Carter
Agent For
Sunnyside Cogeneration Associates

c.c. Steve Gross
William Rossiter
Paul Shepard
Maggie Estrada
Rusty Netz
Plant File

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

GENERAL INFORMATION

Railcut Sediment Pond

Report Date January 12, 2011
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name RailCut Sediment Pond
Impoundment Number 007
UPDES Permit Number UT024759
MSHA ID Number N/A

IMPOUNDMENT INSPECTION

Inspection Date December 16, 2010
Inspected by Rusty Netz
Reason for Inspection Fourth Quarter Inspection 2010

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 4.8 Acre-feet
Pond bottom elevation = 6206.0
100% Sediment Storage Volume = 0.34 acre-feet at Elevation 6209
60% sediment Storage Volume = 0.2 acre feet at Elevation = 6207.7
Existing Sediment Elevation = 6207.2 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6209.07
Emergency Spillway Elevation = 6212.34

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on out slopes of embankments, etc.

Pond had some water in it. No samples were taken Pond did not require decanting
Sediment levels were good
Embankment conditions were good. Vegetation on out slopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Rail Cut Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed
Some water was impounded

No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: _____

Rusty rut

Date: _____

1/14/11

CERTIFIED REPORT

IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

- | | |
|--|------------|
| 1. Is impoundment designed and constructed in accordance with the approved plan? | <u>YES</u> |
| 2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? | <u>YES</u> |
| 3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? | <u>YES</u> |

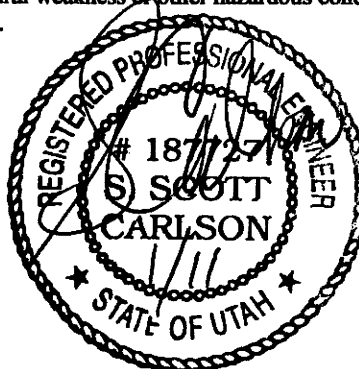
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Old Coarse Refuse Road Sediment Pond

GENERAL INFORMATION

Report Date January 12, 2011
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name Old Coarse Refuse Road Sediment Pond
Impoundment Number 008
UPDES Permit Number UT024759
MSHA ID Number N/A

IMPOUNDMENT INSPECTION

Inspection Date December 16, 2010
Inspected by Rusty Netz
Reason for Inspection Fourth Quarter Inspection 2010

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 0.9 Acre-feet
Pond bottom elevation = 6394.0
100% Sediment Storage Volume = 0.08 acre-feet at Elevation 6395.1
60% sediment Storage Volume = 0.05 acre feet at Elevation = 6394.75
Existing Sediment Elevation = 6394.4 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6395.75
Emergency Spillway Elevation = 6399.4

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on out slopes of embankments, etc.

Pond had some water in it. No samples were taken Pond did not require decanting.
Sediment level was good.
Embankment conditions were good. Vegetation on out slopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Old Coarse Refuse Road Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed
Some water was impounded
Sediment level was good.

No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Rety Date: 1/14/11

CERTIFIED REPORT IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

- | | |
|--|------------|
| 1. Is impoundment designed and constructed in accordance with the approved plan? | <u>YES</u> |
| 2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? | <u>YES</u> |
| 3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? | <u>YES</u> |

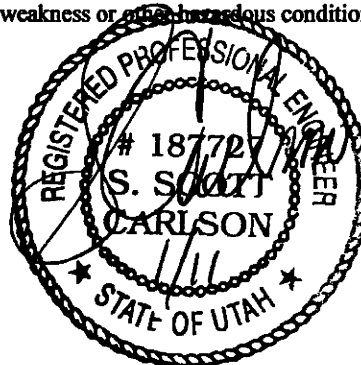
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Pasture Sediment Pond

GENERAL INFORMATION

Report Date January 12, 2011
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name Pasture Sediment Pond
Impoundment Number 009
UPDES Permit Number UT024759
MSHA ID Number N/A

IMPOUNDMENT INSPECTION

Inspection Date December 16, 2010
Inspected by Rusty Netz
Reason for Inspection Fourth Quarter Inspection 2010

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 3.2 Acre-feet
Pond bottom elevation = 6484.5
100% Sediment Storage Volume = 0.42 acre-feet at Elevation 6486.2
60% sediment Storage Volume = 0.25 acre feet at Elevation = 6485.5
Existing Sediment Elevation = 6485.1 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6486.6
Emergency Spillway Elevation = 6490.6

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on out slopes of embankments, etc.

Pond had some water in it. No samples were taken Pond did not require decanting.
Sediment level was good
Embankment conditions were good. Vegetation on out slopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Pasture Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure were observed.

A small amount of water was impounded

Sediment level was good.

No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that, I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Rety Date: 1/14/11

CERTIFIED REPORT

IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

- | | |
|--|------------|
| 1. Is impoundment designed and constructed in accordance with the approved plan? | <u>YES</u> |
| 2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? | <u>YES</u> |
| 3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? | <u>YES</u> |

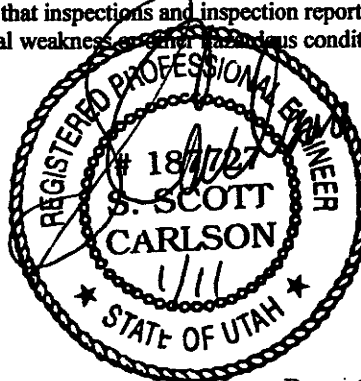
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

Sunnyside Refuse and Slurry

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Coarse Refuse Toe Sediment Pond

GENERAL INFORMATION

Report Date January 12, 2011
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name New Coarse Refuse Toe Sediment Pond
Impoundment Number 012
UPDES Permit Number UT024759
MSHA ID Number N/A

IMPOUNDMENT INSPECTION

Inspection Date December 16, 2010
Inspected by Rusty Netz
Reason for Inspection Fourth Quarter Inspection 2010

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 1.6 Acre-feet
Pond bottom elevation = 6176.0
100% Sediment Storage Volume = 0.07 acre-feet at Elevation 6177.8
60% sediment Storage Volume = 0.03 acre feet at Elevation = 6177.0
Existing Sediment Elevation = 6176.6 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6178.2
Emergency Spillway Elevation = 6183.63

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on out slopes of embankments, etc.

Pond had some water in it. No samples were taken Pond did not require decanting
Sediment level was good
Embankment conditions were good. Vegetation on out slopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Coarse Refuse Toe Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed

Some water was impounded

Sediment level was good.

No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: _____

Rusty Rutz

Date: _____

1/14/11

CERTIFIED REPORT

IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

- | | |
|--|------------|
| 1. Is impoundment designed and constructed in accordance with the approved plan? | <u>YES</u> |
| 2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? | <u>YES</u> |
| 3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? | <u>YES</u> |

COMMENTS/ OTHER INFORMATION

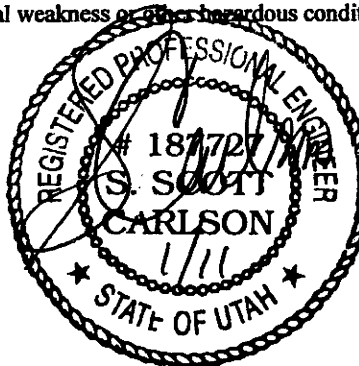
None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.

P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

GENERAL INFORMATION

Coal Pile Sediment Pond

Report Date January 12, 2011
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name Coal Pile Sediment Pond
Impoundment Number 014
UPDES Permit Number UT024759
MSHA ID Number N/A

IMPOUNDMENT INSPECTION

Inspection Date December 16, 2010
Inspected by Rusty Netz
Reason for Inspection Fourth Quarter Inspection 2010

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 1.5 Acre-feet
Pond bottom elevation = 6473.0
100% Sediment Storage Volume = 0.5 acre-feet at Elevation 6476.0
60% sediment Storage Volume = 0.3 acre feet at Elevation = 6474.7
Existing Sediment Elevation = 6474 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6476.0
Secondary Dewatering Orifice = 6477.2
Primary Spillway Elevation = 6477.9
Emergency Spillway Elevation = 6479.0

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had some water in it. No samples were taken Pond did not require decanting.
Sediment level was good.
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Coal Pile Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed

A small amount of water was impounded

Sediment level was good.

No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty Rety Date: 1/14/11

CERTIFIED REPORT IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

- | | |
|--|------------|
| 1. Is impoundment designed and constructed in accordance with the approved plan? | <u>YES</u> |
| 2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? | <u>YES</u> |
| 3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? | <u>YES</u> |

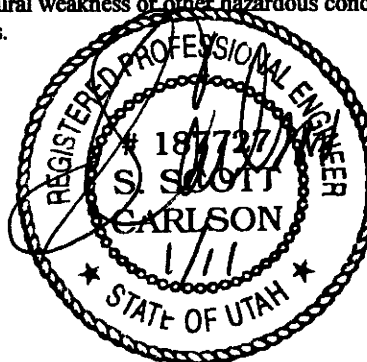
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Borrow Area Sediment Pond

GENERAL INFORMATION

Report Date January 12, 2011
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name Borrow Area Sediment Pond
Impoundment Number 016
UPDES Permit Number UT024759
MSHA ID Number N/A

IMPOUNDMENT INSPECTION

Inspection Date December 16, 2010
Inspected by Rusty Netz
Reason for Inspection Fourth Quarter Inspection 2010

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 8.3 Acre-feet
Pond bottom elevation = 6510.0
100% Sediment Storage Volume = 2.3 acre-feet at Elevation 6514.3
60% sediment Storage Volume = 1.4 acre feet at Elevation = 6513.3
Existing Sediment Elevation = 6511 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6514.3
Emergency Spillway Elevation = 6517.03

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on out slopes of embankments, etc.

Pond had no water in it. No samples were taken
Sediment level was good. Pond did not require decanting.
Embankment conditions were good. Vegetation on out slopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Borrow Area Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed

No water was impounded

Sediment level was good.

No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: _____

Rusty Rety

Date: _____

1/14/11

CERTIFIED REPORT

IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

- | | |
|--|------------|
| 1. Is impoundment designed and constructed in accordance with the approved plan? | <u>YES</u> |
| 2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? | <u>YES</u> |
| 3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? | <u>YES</u> |

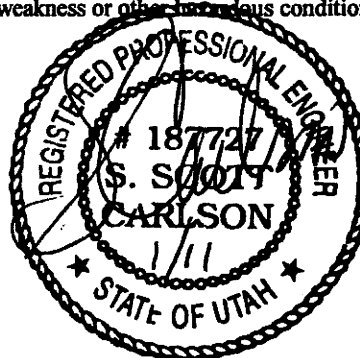
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

GENERAL INFORMATION

Coarse Refuse Pile

Report Date January 12, 2011
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

EXCESS SPOIL PILE OR REFUSE PILE IDENTIFICATION

Pile Name Coarse Refuse Pile
Pile Number N/A
MSHA ID Number 1211-UT-09-02093-01

Inspection Date December 16, 2010
Inspected by Rusty Netz
Reason for Inspection Fourth Quarter Inspection 2010

Attachment to Report? (such as refuse sample analysis or photos) **NO**

Field Evaluation

1. Foundation preparation, including the removal of all organic material and topsoil.

N/A

2. Placement of underdrains and protective filter systems.

N/A

3. Installation of final surface drainage systems

N/A

4. Placement and compaction of fill materials

N/A - Activities occurring at this time are associated with removal of refuse material

5. Final grading and revegetation of fill.

N/A

6. Appearances of instability, structural weakness, and other hazardous conditions

No aspects of the Fill structure were observed that could affect its stability or functionality

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

Coarse Refuse Pile

7. Other comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period

Refuse material is actively being excavated and removed from various locations across the top of the pile

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: _____

Rusty Rety

Date: _____

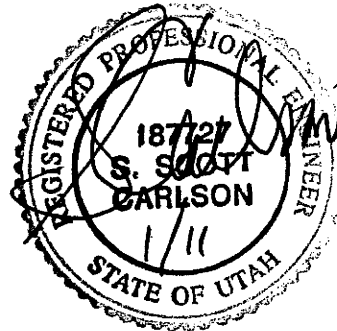
1/14/11

CERTIFICATION STATEMENT

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH

Affix Signature, Stamp and Date



INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

GENERAL INFORMATION

Excess Spoil Disposal Area #1

Report Date January 12, 2011
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

EXCESS SPOIL PILE OR REFUSE PILE IDENTIFICATION

Pile Name Excess Spoil Disposal Area #1
Pile Number N/A
MSHA ID Number 1211-UT-09-02093-04

Inspection Date December 16, 2010
Inspected by Rusty Netz
Reason for Inspection Fourth Quarter Inspection 2010

Attachment to Report? (such as refuse sample analysis or photos) **NO**

Field Evaluation

1. Foundation preparation, including the removal of all organic material and topsoil.

N/A

2. Placement of underdrains and protective filter systems.

N/A

3. Installation of final surface drainage systems

N/A

4. Placement and compaction of fill materials

Approximately 17,465 tons of material were placed during the quarter.

5. Final grading and revegetation of fill.

N/A

6. Appearances of instability, structural weakness, and other hazardous conditions

No aspects of the Fill structure were observed that could affect its stability or functionality

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

Excess Spoil Disposal Area #1

7. Other comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period

Construction of the fill has been proceeding in shallow lifts in general conformance with the approved plan.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

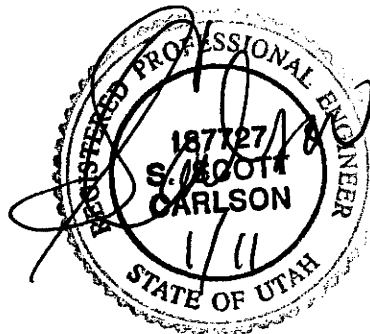
Signature: Rusty Rety Date: 1/14/11

CERTIFICATION STATEMENT

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH

Affix Signature, Stamp and Date



INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

GENERAL INFORMATION

Report Date January 12, 2011
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

Excess Spoil Disposal Area #2

EXCESS SPOIL PILE OR REFUSE PILE IDENTIFICATION

Pile Name Excess Spoil Disposal Area #2
Pile Number N/A
MSHA ID Number 1211-UT-09-02093-05

Inspection Date December 16, 2010
Inspected by Rusty Netz
Reason for Inspection Fourth Quarter Inspection 2010

Attachment to Report? (such as refuse sample analysis or photos) **NO**

Field Evaluation

1. Foundation preparation, including the removal of all organic material and topsoil.

Existing disturbed site. No additional topsoil removal is required by the approved plan

2. Placement of underdrains and protective filter systems.

No under-drains or filters are required by the approved plan

3. Installation of final surface drainage systems

N/A

4. Placement and compaction of fill materials

No new material was placed in this disposal area during the quarter.

5. Final grading and revegetation of fill.

N/A

6. Appearances of instability, structural weakness, and other hazardous conditions

No aspects of the Fill structure were observed that could affect its stability or functionality

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

Excess Spoil Disposal Area #2

7. Other comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period

Construction of the fill has been proceeding in shallow lifts in general conformance with the approved plan.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: _____

Rusty Noty

Date: _____

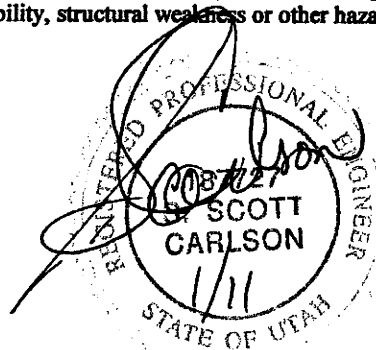
1/14/11

CERTIFICATION STATEMENT

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH

Affix Signature, Stamp and Date

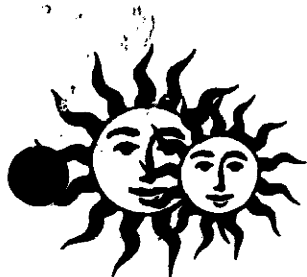




APPENDIX A CERTIFIED REPORTS

ANNUAL INSPECTION

IMPOUNDMENTS, REFUSE PILE AND DISPOSAL AREAS



Sunnyside Cogeneration Associates

P.O. Box 10, East Carbon, Utah 84520 • (435) 888-4476 • Fax (435) 888-2538

January 13, 2011

Daron Haddock
Division of Oil, Gas & Mining
1594 W. North Temple, Suite 1210
Salt Lake City, Utah 84116

RE: Annual 2010 Inspection Report
Sunnyside Refuse and Slurry C/007/035

Dear Mr. Haddock:

Please find enclosed a copy of the Annual 2010 Inspection Report for the Sunnyside refuse pile, impoundments, and excess spoil areas.

Should you have any questions, please contact Rusty Netz or myself at (435)888-4476.

Thank You,

Richard Carter
Agent For
Sunnyside Cogeneration Associates

c.c. Steve Gross
William Rossiter
Paul Shepard
Maggie Estrada
Rusty Netz
Plant File

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

GENERAL INFORMATION

Railcut Sediment Pond

Report Date January 12, 2011
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name RailCut Sediment Pond
Impoundment Number 007
UPDES Permit Number UT024759
MSHA ID Number N/A

IMPOUNDMENT INSPECTION

Inspection Date December 16, 2010
Inspected by Rusty Netz
Reason for Inspection Annual Inspection 2010

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 4.8 Acre-feet
Pond bottom elevation = 6206.0
100% Sediment Storage Volume = 0.34 acre-feet at Elevation 6209
60% sediment Storage Volume = 0.2 acre feet at Elevation = 6207.7
Existing Sediment Elevation = 6207.2 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6209.07
Emergency Spillway Elevation = 6212.34

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on out slopes of embankments, etc.

Pond had some water in it. No samples were taken Pond did not require decanting
Sediment levels were good
Embankment conditions were good. Vegetation on out slopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Rail Cut Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed

Some water was impounded

No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: _____

Rusty Rety

Date: _____

1/14/11

CERTIFIED REPORT IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

- | | |
|--|------------|
| 1. Is impoundment designed and constructed in accordance with the approved plan? | <u>YES</u> |
| 2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? | <u>YES</u> |
| 3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? | <u>YES</u> |

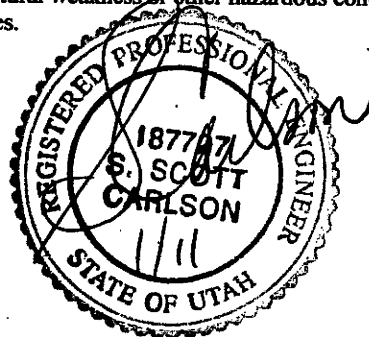
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Old Coarse Refuse Road Sediment Pond

GENERAL INFORMATION

Report Date January 12, 2011
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name Old Coarse Refuse Road Sediment Pond
Impoundment Number 008
UPDES Permit Number UT024759
MSHA ID Number N/A

IMPOUNDMENT INSPECTION

Inspection Date December 16, 2010
Inspected by Rusty Netz
Reason for Inspection Annual Inspection 2010

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 0.9 Acre-feet
Pond bottom elevation = 6394.0
100% Sediment Storage Volume = 0.08 acre-feet at Elevation 6395.1
60% sediment Storage Volume = 0.05 acre feet at Elevation = 6394.75
Existing Sediment Elevation = 6394.4 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6395.75
Emergency Spillway Elevation = 6399.4

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had some water in it. No samples were taken Pond did not require decanting.
Sediment level was good.
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Old Coarse Refuse Road Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed

Some water was impounded

Sediment level was good.

No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty noty

Date: 1/14/11

CERTIFIED REPORT

IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

- | | |
|--|------------|
| 1. Is impoundment designed and constructed in accordance with the approved plan? | <u>YES</u> |
| 2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? | <u>YES</u> |
| 3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? | <u>YES</u> |

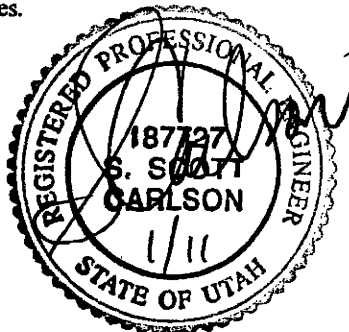
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Pasture Sediment Pond

GENERAL INFORMATION

Report Date January 12, 2011
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name Pasture Sediment Pond
Impoundment Number 009
UPDES Permit Number UT024759
MSHA ID Number N/A

IMPOUNDMENT INSPECTION

Inspection Date December 16, 2010
Inspected by Rusty Netz
Reason for Inspection Annual Inspection 2010

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 3.2 Acre-feet
Pond bottom elevation = 6484.5
100% Sediment Storage Volume = 0.42 acre-feet at Elevation 6486.2
60% sediment Storage Volume = 0.25 acre feet at Elevation = 6485.5
Existing Sediment Elevation = 6485.1 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6486.6
Emergency Spillway Elevation = 6490.6

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on out slopes of embankments, etc.

Pond had some water in it. No samples were taken Pond did not require decanting.
Sediment level was good
Embankment conditions were good. Vegetation on out slopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Pasture Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure were observed.

A small amount of water was impounded

Sediment level was good.

No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: _____

Rusty noty

Date: _____

1/14/11

CERTIFIED REPORT

IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

- | | |
|--|------------|
| 1. Is impoundment designed and constructed in accordance with the approved plan? | <u>YES</u> |
| 2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? | <u>YES</u> |
| 3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? | <u>YES</u> |

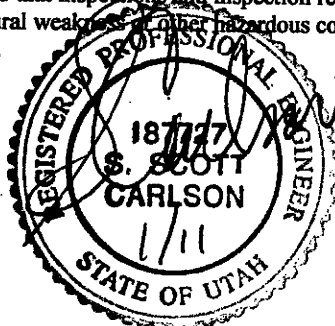
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Coarse Refuse Toe Sediment Pond

GENERAL INFORMATION

Report Date January 12, 2011
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name New Coarse Refuse Toe Sediment Pond
Impoundment Number 012
UPDES Permit Number UT024759
MSHA ID Number N/A

IMPOUNDMENT INSPECTION

Inspection Date December 16, 2010
Inspected by Rusty Netz
Reason for Inspection Annual Inspection 2010

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 1.6 Acre-feet
Pond bottom elevation = 6176.0
100% Sediment Storage Volume = 0.07 acre-feet at Elevation 6177.8
60% sediment Storage Volume = 0.03 acre feet at Elevation = 6177.0
Existing Sediment Elevation = 6176.6 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6178.2
Emergency Spillway Elevation = 6183.63

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on out slopes of embankments, etc.

Pond had some water in it. No samples were taken Pond did not require decanting
Sediment level was good
Embankment conditions were good. Vegetation on out slopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Coarse Refuse Toe Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed
Some water was impounded
Sediment level was good.

No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: _____

Rusty net

Date: _____

1/14/11

CERTIFIED REPORT

IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

- | | |
|--|------------|
| 1. Is impoundment designed and constructed in accordance with the approved plan? | <u>YES</u> |
| 2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? | <u>YES</u> |
| 3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? | <u>YES</u> |

COMMENTS/ OTHER INFORMATION

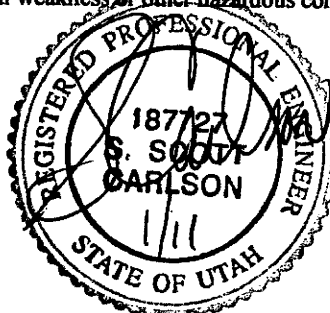
None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.

P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

GENERAL INFORMATION

Coal Pile Sediment Pond

Report Date January 12, 2011
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name Coal Pile Sediment Pond
Impoundment Number 014
UPDES Permit Number UT024759
MSHA ID Number N/A

IMPOUNDMENT INSPECTION

Inspection Date December 16, 2010
Inspected by Rusty Netz
Reason for Inspection Annual Inspection 2010

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 1.5 Acre-feet
Pond bottom elevation = 6473.0
100% Sediment Storage Volume = 0.5 acre-feet at Elevation 6476.0
60% sediment Storage Volume = 0.3 acre feet at Elevation = 6474.7
Existing Sediment Elevation = 6474 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6476.0
Secondary Dewatering Orifice = 6477.2
Primary Spillway Elevation = 6477.9
Emergency Spillway Elevation = 6479.0

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had some water in it. No samples were taken Pond did not require decanting.
Sediment level was good.
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Coal Pile Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed

A small amount of water was impounded

Sediment level was good.

No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: _____

Rusty nety

Date: _____

1/14/11

CERTIFIED REPORT

IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

- | | |
|--|------------|
| 1. Is impoundment designed and constructed in accordance with the approved plan? | <u>YES</u> |
| 2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? | <u>YES</u> |
| 3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? | <u>YES</u> |

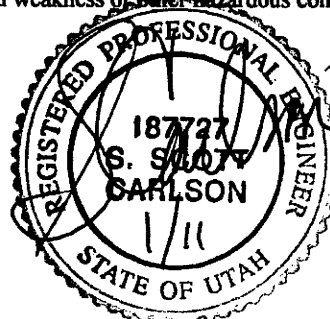
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Borrow Area Sediment Pond

GENERAL INFORMATION

Report Date January 12, 2011
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

IMPOUNDMENT IDENTIFICATION

Impoundment Name Borrow Area Sediment Pond
Impoundment Number 016
UPDES Permit Number UT024759
MSHA ID Number N/A

IMPOUNDMENT INSPECTION

Inspection Date December 16, 2010
Inspected by Rusty Netz
Reason for Inspection Annual Inspection 2010

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

None

a. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and estimated average elevation of existing sediment.

Total Pond Volume = 8.3 Acre-feet
Pond bottom elevation = 6510.0
100% Sediment Storage Volume = 2.3 acre-feet at Elevation 6514.3
60% sediment Storage Volume = 1.4 acre feet at Elevation = 6513.3
Existing Sediment Elevation = 6511 +/-

b. Principle and emergency spillway elevations.

Primary Dewatering Pipe = 6514.3
Emergency Spillway Elevation = 6517.03

2. Field Information

Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/ instrumentation information, inlet/ outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/ repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond had no water in it. No samples were taken
Sediment level was good. Pond did not require decanting.
Embankment conditions were good. Vegetation on outslopes was adequate.
Inlet / Outlet conditions were good. No structural or hazardous conditions were observed.

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT

Borrow Area Sediment Pond

3. Field Evaluation.

Describe any changes in the geometry of the impounding structure, average and maximum depths and elevation of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period

No recent changes in the geometry of the structure have been observed

No water was impounded

Sediment level was good.

No other aspects of the impounding structure were observed that could affect its stability or functionality.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: _____

Rusty Nety

Date: _____

1/14/11

CERTIFIED REPORT

IMPOUNDMENT EVALUATION

If you answer NO to these questions, please explain under comments

- | | |
|--|------------|
| 1. Is impoundment designed and constructed in accordance with the approved plan? | <u>YES</u> |
| 2. Is impoundment free of instability, structural weakness, or any other hazardous conditions? | <u>YES</u> |
| 3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection? | <u>YES</u> |

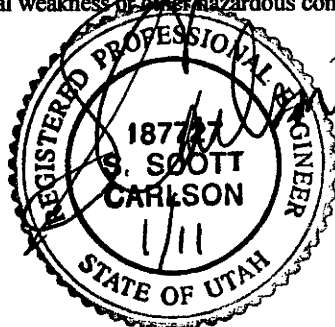
COMMENTS/ OTHER INFORMATION

None

CERTIFICATION STATEMENT:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved designs and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH



Affix Signature, Stamp and Date

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

GENERAL INFORMATION

Coarse Refuse Pile

Report Date January 12, 2011
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

EXCESS SPOIL PILE OR REFUSE PILE IDENTIFICATION

Pile Name Coarse Refuse Pile
Pile Number N/A
MSHA ID Number 1211-UT-09-02093-01

Inspection Date December 16, 2010
Inspected by Rusty Netz
Reason for Inspection Annual Inspection 2010

Attachment to Report? (such as refuse sample analysis or photos) YES

Field Evaluation

1. Foundation preparation, including the removal of all organic material and topsoil.

N/A

2. Placement of underdrains and protective filter systems.

N/A

3. Installation of final surface drainage systems

N/A

4. Placement and compaction of fill materials

N/A - Activities occurring at this time are associated with removal of refuse material

5. Final grading and revegetation of fill.

N/A

6. Appearances of instability, structural weakness, and other hazardous conditions

No aspects of the Fill structure were observed that could affect its stability or functionality

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

Coarse Refuse Pile

7. Other comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period

Refuse material is actively being excavated and removed from various locations across the top of the pile

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: _____

Rusty Rutz

Date: _____

1/14/11

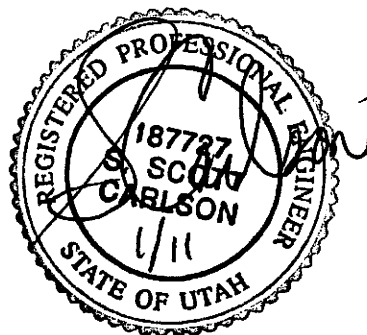
CERTIFICATION STATEMENT

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE, Twin Peaks, P.C.

P.E. Number & State: 187727 UTAH

Affix Signature, Stamp and Date



INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

GENERAL INFORMATION

Excess Spoil Disposal Area #1

Report Date January 12, 2011
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

EXCESS SPOIL PILE OR REFUSE PILE IDENTIFICATION

Pile Name Excess Spoil Disposal Area #1
Pile Number N/A
MSHA ID Number 1211-UT-09-02093-04

Inspection Date December 16, 2010
Inspected by Rusty Netz
Reason for Inspection Annual Inspection 2010

Attachment to Report? (such as refuse sample analysis or photos) **YES**

Field Evaluation

1. Foundation preparation, including the removal of all organic material and topsoil.

N/A

2. Placement of underdrains and protective filter systems.

N/A

3. Installation of final surface drainage systems

N/A

4. Placement and compaction of fill materials

Approximately 70,490 tons of material (Q1-24,640; Q2-11,095; Q3-17,290; Q4-17,465) were placed during the year.

5. Final grading and revegetation of fill.

N/A

6. Appearances of instability, structural weakness, and other hazardous conditions

No aspects of the Fill structure were observed that could affect its stability or functionality

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

Excess Spoil Disposal Area #1

7. Other comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period

Construction of the fill has been proceeding in shallow lifts in general conformance with the approved plan.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

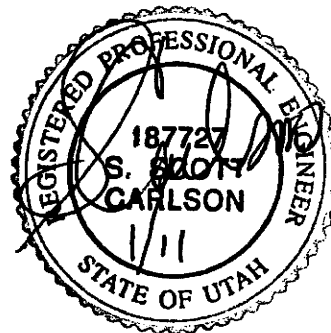
Signature: Rusty Rety Date: 1/14/11

CERTIFICATION STATEMENT

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE, Twin Peaks, P.C.
P.E. Number & State: 187727 UTAH

Affix Signature, Stamp and Date



INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

GENERAL INFORMATION

Report Date January 12, 2011
Permit Number C/007/035
Mine Name Sunnyside Refuse and Slurry
Company Name Sunnyside Cogeneration Associates

Excess Spoil Disposal Area #2

EXCESS SPOIL PILE OR REFUSE PILE IDENTIFICATION

Pile Name Excess Spoil Disposal Area #2
Pile Number N/A
MSHA ID Number 1211-UT-09-02093-05

Inspection Date December 16, 2010
Inspected by Rusty Netz
Reason for Inspection Annual Inspection 2010

Attachment to Report? (such as refuse sample analysis or photos) **YES**

Field Evaluation

1. Foundation preparation, including the removal of all organic material and topsoil.

Existing disturbed site. No additional topsoil removal is required by the approved plan

2. Placement of underdrains and protective filter systems.

No under-drains or filters are required by the approved plan

3. Installation of final surface drainage systems

N/A

4. Placement and compaction of fill materials

No new material was placed in this disposal area during the year.

5. Final grading and revegetation of fill.

N/A

6. Appearances of instability, structural weakness, and other hazardous conditions

No aspects of the Fill structure were observed that could affect its stability or functionality

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE

Excess Spoil Disposal Area #2

7. Other comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period

Construction of the fill has been proceeding in shallow lifts in general conformance with the approved plan.

Analytical results from samples taken at the end of 2009 were submitted to DOGM during the first quarter 2010. They are attached hereto.

QUALIFICATION STATEMENT:

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meets or exceeds the minimum design requirements under all applicable federal, state and local regulations; and that inspections are made by myself and include any appearances of instability, structural weakness or other hazardous condition of the structure affecting stability.

Signature: Rusty nety

Date: 1/14/11

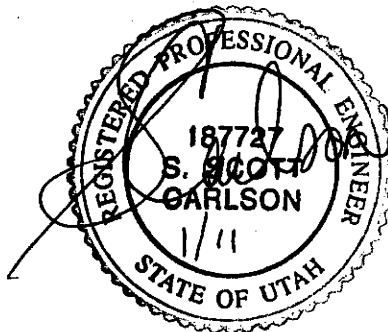
CERTIFICATION STATEMENT

I hereby certify that: I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with the approved design and meets or exceeds the minimum design requirements under all applicable federal, state, and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson, PE, Twin Peaks, P.C.

P.E. Number & State: 187727 UTAH

Affix Signature, Stamp and Date





Coarse Refuse Pile

March 26, 2010



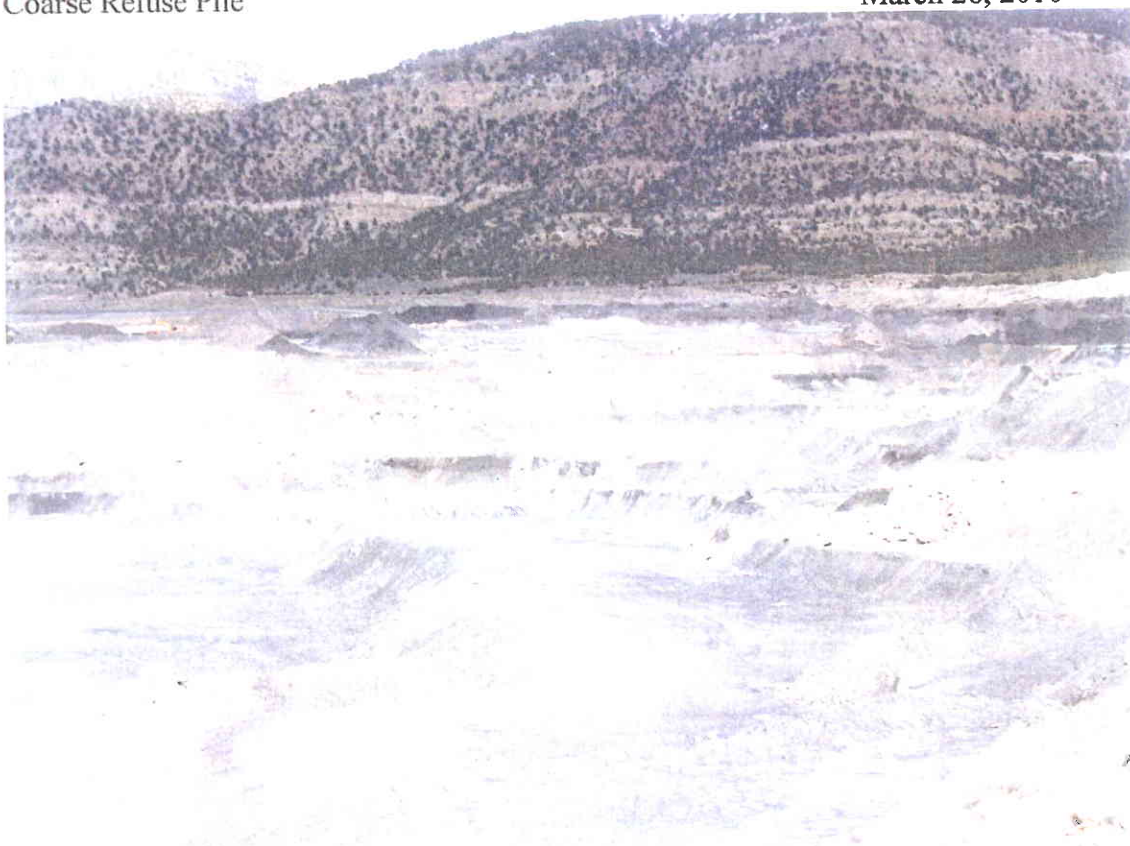
Coarse Refuse Pile

March 26, 2010



Coarse Refuse Pile

March 26, 2010



Coarse Refuse Pile

March 26, 2010



Excess Spoil Disposal Area #1

March 26, 2010



Excess Spoil Disposal Area #2

March 26, 2010



Coarse Refuse Toe Pond

March 26, 2010



Rail Cut Pond

March 26, 2010



Pasture Pond

March 26, 2010



APPENDIX A CERTIFIED REPORTS

EXCESS SPOIL DISPOSAL AREA #1 SOIL SAMPLE ANALYTICAL RESULTS



**AMERICAN
WEST
ANALYTICAL
LABORATORIES**

Rusty Netz
Sunnyside Cogeneration
PO Box 159
Sunnyside, UT 84539
TEL: (435) 888-4476

RE: DOGM Spoils #1

Dear Rusty Netz:

Lab Set ID: 1101259

463 West 3600 South
Salt Lake City, Utah
84115

American West Analytical Laboratories received 1 sample(s) on 1/19/2011 for the analyses presented in the following report.

All analyses were performed in accordance to The NELAC Institute protocols unless noted otherwise. American West Analytical Laboratories is certified by The NELAC Institute in Utah and Texas; and is state certified in Colorado and Idaho. Certification document is available upon request. If you have any questions or concerns regarding this report please feel free to call.

(801) 263-8686

Toll Free (888) 263-8686

Fax (801) 263-8687

mail: awal@awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

The abbreviation "Surr" found in organic reports indicates a surrogate compound that is intentionally added by the laboratory to determine sample injection, extraction, and/or purging efficiency. The "Reporting Limit" found on the report is equivalent to the practical quantitation limit (PQL). This is the minimum concentration that can be reported by the method referenced and the sample matrix. The reporting limit must not be confused with any regulatory limit. Analytical results are reported to three significant figures for quality control and calculation purposes.

Thank You,

Approved by: 
Laboratory Director or designee



INORGANIC ANALYTICAL REPORT

**AMERICAN
WEST
ANALYTICAL
LABORATORIES**

Client: Sunnyside Cogeneration
Project: DOGM Spoils #1
Lab Sample ID: 1101259-001
Client Sample ID: Spoils Pile #1 / Composite Sample
Collection Date: 11/10/2010 1300h
Received Date: 1/19/2011 1120h

Contact: Rusty Netz

TOTAL METALS

Analytical Results	Units	Date Prepared		Date Analyzed		Method Used	Reporting Limit	Analytical Result	Qual
Boron	mg/kg-dry	1/20/2011	1233h	1/20/2011	1820h	SW6010C	51.7	< 51.7	
Calcium	mg/kg-dry	1/20/2011	1233h	1/20/2011	1820h	SW6010C	103	4,440	
Magnesium	mg/kg-dry	1/20/2011	1233h	1/20/2011	1820h	SW6010C	103	1,280	
Selenium	mg/kg-dry	1/20/2011	1233h	1/21/2011	0032h	SW6020A	0.878	3.84	
Sodium	mg/kg-dry	1/20/2011	1233h	1/20/2011	1820h	SW6010C	103	194	

463 West 3600 South
Salt Lake City, Utah
84115

(801) 263-8686
Toll Free (888) 263-8686
Fax (801) 263-8687
Email: awal@awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer



**AMERICAN
WEST
ANALYTICAL
LABORATORIES**

INORGANIC ANALYTICAL REPORT

Client: Sunnyside Cogeneration
Project: DOGM Spoils #1
Lab Sample ID: 1101259-001
Client Sample ID: Spoils Pile #1 / Composite Sample
Collection Date: 11/10/2010 1300h
Received Date: 1/19/2011 1120h

Contact: Rusty Netz

463 West 3600 South
Salt Lake City, Utah
84115

Analytical Results	Units	Date Prepared	Date Analyzed	Method Used	Reporting Limit	Analytical Result	Qual
Conductivity	µmhos/cm		1/20/2011	SW9050A	10.0	517	H &
Nitrate (as N)	mg/kg-dry		1/19/2011 1435h	E353.2	0.103	< 0.103	H *
pH @ 25° C	pH Units		1/19/2011 1930h	SW9045D	1.00	8.60	H
Sodium Adsorption Ratio			1/19/2011	Calc.	0.0100	1.00	
Total Nitrogen (as N)	mg/kg-dry		1/31/2011	Calc.	0.500	421	H

H - Sample was received outside of the holding time.

& - Analysis is performed on a 1:1 DI water extract for soils.

** - The reporting limits were raised due to sample matrix interferences.*

(801) 263-8686

Toll Free (888) 263-8686

Fax (801) 263-8687

mail: awal@awal-labs.com

Kyle F. Gross
Laboratory Director

Jose Rocha
QA Officer

American West Analytical Laboratories

WORK ORDER Summary

Client: Sunnyside Cogeneration

Client ID: SUN100

Project: DOGM Spoils #1

Comments: Footnote report, most parameters received outside of hold. Sample for TOC, Sulfur, ABA, ANP, AGP & particle size sent to ACZ Labs.;

Contact: Rusty Netz

QC Level: LEVEL I

WO Type: Standard

Work Order: 1101259

Page 1 of 1

1/19/2011

Sample ID	Client Sample ID	Collected Date	Received Date	Date Due	Matrix	Test Code	Sel	Storage
1101259-001A	Spoils Pile #1 / Composite Sample	11/10/2010 1:00:00 PM	1/19/2011 11:20:00 AM	2/2/2011	Solid	COND-S-9050A	<input type="checkbox"/>	df / wc 1
				2/2/2011		NO2/NO3-S-353.2	<input checked="" type="checkbox"/>	df / wc
				2/2/2011		NO3-S-353.2	<input type="checkbox"/>	df / wc
				2/2/2011		PH-9045D	<input type="checkbox"/>	df / wc
				2/2/2011		PMOIST	<input type="checkbox"/>	df / wc
				2/2/2011		SAR-S	<input type="checkbox"/>	df / wc
				2/2/2011		SOIL-PR	<input type="checkbox"/>	df / wc
				2/2/2011		TKN-S-351.2	<input checked="" type="checkbox"/>	df / wc
				2/2/2011		TKN-S-PR	<input type="checkbox"/>	df / wc
				2/2/2011		TOTAL-NITROGEN	<input type="checkbox"/>	df / wc
1101259-001B				2/2/2011		3051A-ICPMS-PR	<input type="checkbox"/>	df / metals
	SEL Analytes: B CA MG NA			2/2/2011		6010C-S	<input checked="" type="checkbox"/>	df / metals
1101259-001C				2/2/2011		6020-S	<input checked="" type="checkbox"/>	df / metals
	SEL Analytes: SE			2/2/2011		OUTSIDE LAB	<input type="checkbox"/>	ACZ Labs. 4

American West Analytical Laboratories

Client: Sunnyside Cogen
Address: #1 Power Plant road
Sunnyside Utah, 84539

Project Name: DOGM Spoils #1
PO#:

of Custody

Contact: Rusty Netz
Phone: 435-888-4476
Fax:
Email:

Lab Sample Set # 1111 / 1
Page 1 of 1

QC Level:
Turn Around Time

Sample ID:	Date Sampled	Time	# of Containers	Sample Matrix	pH, SAR, Conductivity	Total Nitrogen	Metals: B, Ca, Mg, Na, Se	Nitrate	ABA, ANP, AGP Calculations	TOC	Particulate Size	Total Sulfur	Neutralization Potential	Comments
1 Spoils pile #1	11/10/2010	13:00	1		X	X	X	X	X	X	X	X	X	See Attachment
2 composite sample														also
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														

Special Instructions:

Relinquished by: Signature	Date: 1/17/2011	Received by: Signature	Date:
Print Name	Time: 1800	Print Name	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date: 1/19/11
Print Name	Time:	Print Name	Time: 1120

SOILS

0905023

2006

involved in the extinguishing operations. No burning or unburned coal mine waste will be removed from a permitted disposal area without a removal plan approved by the Division. Consideration will be given to potential hazards to persons working or living in the vicinity of the structure.

ACID- and/or TOXIC-FORMING POTENTIAL OF WASTE

Previous tests of the material at the SCA facilities have indicated that the acid- and/or toxic-forming potential of the waste is not a significant problem. However, in order to be conservative, analysis to determine the acid- and/or toxic-forming and alkalinity producing potential of the waste material disposed in the Excess Spoil Disposal Area will be performed for the constituents listed below. The objective of this sampling program is to identify areas within the fill that may adversely impact the surface water, groundwater, plant growth, or the post-mining land use. One grab sample per acre will be taken from each four-foot lift immediately following the completion of the lift and throughout construction of the pile. Results of the sampling shall be submitted to the Division with the Quarterly Engineering Inspection Reports.

Excess spoil that is acid- or toxic-forming or combustible materials placed in the disposal area will be adequately covered with four-feet of non-acid, non-toxic and non-combustible material, or otherwise treated, to control the impact on surface and groundwater, to prevent sustained combustion, and to minimize adverse effects on plant growth and the approved post-mining land use. Excess spoil that is not acid- or toxic-forming or combustible may be used to provide some, or all, of this adequate cover.

Coal mine waste materials, of which geologic properties are uncertain or which have sub-standard geologic characteristics, will be scattered within the interior of the pile at least ten feet from the outer slopes. Waste materials from areas outside of the SCA permit site, but which are comparable to the materials considered in the design of the fill, may be placed in the fill by SCA in accordance with the standards of this section but without additional restriction.

ANALYSIS PARAMETERS

- * pH ✓
- * Particle Size Analysis (% sand, silt, clay) ✓
- * Soluble Ca, Mg, and Na ✓
- * Selenium ✓
- * Nitrate-N ✓
- * Maximum Acid Potential Neutralization Potential ✓
- * Organic Carbon ✓
- * Electrical Conductivity ✓
- * Sodium Adsorption Ration ✓
- * Total N ✓
- * Boron ✓
- * Sulfur-total ✓

Acid Base Accounty
Send to ACE

Tin Van Weingard

February 09, 2011

Report to:

Elona Hayward
American West Analytical Labs
463 West 3600 South
Salt Lake City, UT 84115

Bill to:

Lynn Turner
American West Analytical Labs
463 West 3600 South
Salt Lake City, UT 84115

cc: Samantha

Project ID: 1101259

ACZ Project ID: L86280

Elona Hayward:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on January 20, 2011. This project has been assigned to ACZ's project number, L86280. Please reference this number in all future inquiries.

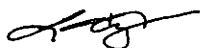
All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L86280. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after March 09, 2011. If the samples are determined to be hazardous, additional charges apply for disposal (typically less than \$10/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical reports for five years.

If you have any questions or other needs, please contact your Project Manager.



Tony Antalek has reviewed and
approved this report.



American West Analytical Labs

February 09, 2011

Project ID: 1101259

ACZ Project ID: L86280

Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 1 soil sample from American West Analytical Labs on January 20, 2011. The sample was received in good condition. Upon receipt, the sample custodian removed the sample from the cooler, inspected the contents, and logged the sample into ACZ's computerized Laboratory Information Management System (LIMS). The sample was assigned ACZ LIMS project number L86280. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

Holding Times

All analyses were performed within EPA recommended holding times.

Sample Analysis

This sample was analyzed for inorganic parameters. The individual methods are referenced on both the ACZ invoice and the analytical reports. The extended qualifier reports may contain footnotes qualifying specific elements due to QC failures. In addition the following has been noted with this specific project:

1. The Acid / Base Accounting procedure was qualified with the ACZ 'N1' flag in order to note that a modified Neutralization Potential procedure (No heat) and Total Sulfur were utilized for calculations.

American West Analytical Labs

Project ID: 1101259

Sample ID: SPOILS PILE #1/COMPO

ACZ Sample ID: **L86280-01**

Date Sampled: 11/10/10 13:00

Date Received: 01/20/11

Sample Matrix: Soil

Soil Analysis

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Acid Generation Potential (calc)	M600/2-78-054 1.3	10.6		*	t CaCO3/Kt	0.1	0.5	02/07/11 10:00	brd
Acid Neutralization Potential (calc)	M600/2-78-054 1.3	114		*	t CaCO3/Kt	0.1	0.5	02/07/11 10:00	brd
Acid-Base Potential (calc)	M600/2-78-054 1.3	103.4		*	t CaCO3/Kt	0.1	0.5	02/07/11 10:00	brd
Carbon, total organic (TOC)	ASA No.9 29-2.2.4 Combustion/IR	13.9		*	%	0.1	0.5	02/01/11 14:45	bsu
Neutralization Potential as CaCO3	M600/2-78-054 3.2.3 - Modified (No Heat)	11.4		*	%	0.1	0.5	02/05/11 3:00	bsu
Sulfur Forms	M600/2-78-054 3.2.4-MOD								
Sulfur HCl Residue		0.30		*	%	0.01	0.1	02/04/11 0:00	bsu
Sulfur HNO3 Residue		0.15		*	%	0.01	0.1	02/04/11 0:00	bsu
Sulfur Organic		0.15		*	%	0.01	0.1	02/04/11 0:00	bsu
Residual Mod									
Sulfur Pyritic Sulfide		0.15		*	%	0.01	0.1	02/04/11 0:00	bsu
Sulfur Sulfate		0.04	B	*	%	0.01	0.1	02/04/11 0:00	bsu
Sulfur Total		0.34		*	%	0.01	0.1	02/04/11 0:00	bsu
Total Sulfur minus Sulfate		0.30		*	%	0.01	0.1	02/04/11 0:00	bsu

Soil Preparation

Parameter	EPA Method	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Air Dry at 34 Degrees C	USDA No. 1, 1972							01/26/11 11:00	nrc
Crush and Pulverize	USDA No. 1, 1972							02/01/11 10:00	nrc
Sieve-250 um (60 mesh)	ASA No.9, 15-4.2.2							02/01/11 9:30	njrc

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit. Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit, typically 5 times the MDL.
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Amount of the true value or spike added recovered, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	LCSWD	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	LFB	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	LFM	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	LFMD	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	LRB	Laboratory Reagent Blank
ICB	Initial Calibration Blank	MS	Matrix Spike
ICV	Initial Calibration Verification standard	MSD	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	PBS	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	PBW	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	PQV	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	SDL	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

- (1) EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
- (2) EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
- (3) EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
- (5) EPA SW-846. Test Methods for Evaluating Solid Waste, Third Edition with Update III, December 1996.
- (6) Standard Methods for the Examination of Water and Wastewater, 19th edition, 1995 & 20th edition (1998).

Comments

- (1) QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
- (2) Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
- (3) Animal matrices for Inorganic analyses are reported on an "as received" basis.
- (4) An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.

For a complete list of ACZ's Extended Qualifiers, please click:

<http://www.acz.com/public/extquallist.pdf>

American West Analytical Labs

Project ID: 1101259

ACZ Project ID: L86280

Carbon, total organic (TOC)

ASA No.9 29-2.2.4 Combustion/IR

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG296770													
WG296770PBS	PBS	02/01/11 13:30				U	%		-0.3	0.3			
L86280-01DUP	DUP	02/01/11 16:00			13.9	13.8	%				0.7	20	

Neutralization Potential as CaCO3

M600/2-78-054 3.2.3 - Modified (No Heat)

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG296882													
WG296882PBS	PBS	02/04/11 10:30				U	%		-0.1	0.1			
WG296882LCSS	LCSS	02/04/11 18:45	PCN33453	100		98.63	%	98.6	80	120			
L86280-01DUP	DUP	02/05/11 11:15			11.4	11.55	%				1.3	20	

Sulfur Organic Residual Mod

M600/2-78-054 3.2.4-MOD

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG296756													
L86280-01DUP	DUP	02/04/11 9:00			.15	.16	%				6.5	20	

Sulfur Pyritic Sulfide

M600/2-78-054 3.2.4-MOD

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG296756													
L86280-01DUP	DUP	02/04/11 9:00			.15	.16	%				6.5	20	

Sulfur Sulfate

M600/2-78-054 3.2.4-MOD

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG296756													
L86280-01DUP	DUP	02/04/11 9:00			.04	.04	%				0	20	RA

Sulfur Total

M600/2-78-054 3.2.4-MOD

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG296756													
WG296756PBS	PBS	02/04/11 8:00				U	%		-0.03	0.03			
WG296756LCSS	LCSS	02/04/11 8:20	PCN35460	4.24		4.35	%	102.6	3.392	5.088			
L86280-01DUP	DUP	02/04/11 9:00			.34	.36	%				5.7	20	

Total Sulfur Minus Sulfate

M600/2-78-054 3.2.4-MOD

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG296756													
L86280-01DUP	DUP	02/04/11 9:00			.3	.32	%				6.5	20	

American West Analytical Labs

ACZ Project ID: **L86280**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L86280-01	VVG296947	Acid Generation Potential (calc)	M600/2-78-054 1.3	N1	See Case Narrative.
		Acid Neutralization Potential (calc)	M600/2-78-054 1.3	N1	See Case Narrative.
		Acid-Base Potential (calc)	M600/2-78-054 1.3	N1	See Case Narrative.
	VVG296770	Carbon, total organic (TOC)	ASA No.9 29-2.2.4 Combustion/IR	ZQ	Analyte was not evaluated in the laboratory control standard. Either the analyte is not included in the scope of the analytical method or a commercial standard containing the analyte is not available.
	VVG296756	Sulfur Sulfate	M600/2-78-054 3.2.4-MOD	RA	Relative Percent Difference (RPD) was not used for data validation because the sample concentration is too low for accurate evaluation (< 10x MDL).

Soil Analysis**The following parameters are not offered for certification or are not covered by NELAC certificate #ACZ.**

Acid Generation Potential (calc)	M600/2-78-054 1.3
Acid Neutralization Potential (calc)	M600/2-78-054 1.3
Acid-Base Potential (calc)	M600/2-78-054 1.3
Carbon, total organic (TOC)	ASA No.9 29-2.2.4 Combustion/IR
Neutralization Potential as CaCO ₃	M600/2-78-054 3.2.3 - Modified (No Heat)
Sulfur HCl Residue	M600/2-78-054 3.2.4-MOD
Sulfur HNO ₃ Residue	M600/2-78-054 3.2.4-MOD
Sulfur Organic Residual Mod	M600/2-78-054 3.2.4-MOD
Sulfur Pyritic Sulfide	M600/2-78-054 3.2.4-MOD
Sulfur Sulfate	M600/2-78-054 3.2.4-MOD
Sulfur Total	M600/2-78-054 3.2.4-MOD
Total Sulfur minus Sulfate	M600/2-78-054 3.2.4-MOD

**Sample
Receipt**

American West Analytical Labs

1101259

ACZ Project ID: L86280

Date Received: 01/20/2011 10:39

Received By: gac

Date Printed: 1/21/2011

Receipt Verification

- 1) Does this project require special handling procedures such as CLP protocol?
- 2) Are the custody seals on the cooler intact?
- 3) Are the custody seals on the sample containers intact?
- 4) Is there a Chain of Custody or other directive shipping papers present?
- 5) Is the Chain of Custody complete?
- 6) Is the Chain of Custody in agreement with the samples received?
- 7) Is there enough sample for all requested analyses?
- 8) Are all samples within holding times for requested analyses?
- 9) Were all sample containers received intact?
- 10) Are the temperature blanks present?
- 11) Are the trip blanks (VOA and/or Cyanide) present?
- 12) Are samples requiring no headspace, headspace free?
- 13) Do the samples that require a Foreign Soils Permit have one?

YES	NO	NA
		X
X		
		X
X		
X		
X		
X		
X		
		X
		X
		X
		X

Exceptions: If you answered no to any of the above questions, please describe

N/A

Contact (For any discrepancies, the client must be contacted)

N/A

Shipping Containers

Cooler Id	Temp (°C)	Rad (µR/hr)
NA12329	16.4	15

Client must contact ACZ Project Manager if analysis should not proceed for samples received outside of thermal preservation acceptance criteria.

Notes

American West Analytical Labs
1101259

ACZ Project ID: L86280

Date Received: 01/20/2011 10:39

Received By: gac

Date Printed: 1/21/2011

Sample Container Preservation

SAMPLE	CLIENT ID	R < 2	G < 2	BK < 2	Y < 2	YG < 2	B < 2	O < 2	T > 12	N/A	RAD	ID
L86280-01	SPOILS PILE #1/COMPO									X		

Sample Container Preservation Legend

Abbreviation	Description	Container Type	Preservative/Limits
R	Raw/Nitric	RED	pH must be < 2
B	Filtered/Sulfuric	BLUE	pH must be < 2
BK	Filtered/Nitric	BLACK	pH must be < 2
G	Filtered/Nitric	GREEN	pH must be < 2
O	Raw/Sulfuric	ORANGE	pH must be < 2
P	Raw/NaOH	PURPLE	pH must be > 12 *
T	Raw/NaOH Zinc Acetate	TAN	pH must be > 12
Y	Raw/Sulfuric	YELLOW	pH must be < 2
YG	Raw/Sulfuric	YELLOW GLASS	pH must be < 2
N/A	No preservative needed	Not applicable	
RAD	Gamma/Beta dose rate	Not applicable	must be < 250 µR/hr

pH check performed by analyst prior to sample preparation

Sample IDs Reviewed By: gac

QC Level:
Turn Around Time
Standard



APPENDIX B-1 CLIMATOLOGICAL DATA

SUNNYSIDE WEATHER STATION 2010 CLIMATOLOGICAL REPORT

day	January			February			March			April			May			June		
	max temp	min temp	precip	max temp	min temp	precip	max temp	min temp	precip	max temp	min temp	precip	max temp	min temp	precip	max temp	min temp	precip
1	32	21		34	20		47	31		53	34		52	32		76	56	
2	37	23		36	23		48	31		46	25		55	34		72	52	
3	39	23		38	20		45	33		47	36		60	33		80	55	
4	38	23		40	26		47	33		51	31		63	46		85	56	
5	37	24		40	27		46	29		56	43	t	67	42		85	59	
6	33	26		39	29	1	45	29		55	29		70	42		90	60	
7	40	22		37	32		46	34	0.65	49	26		54	30		91	61	
8	34	18		39	29		47	31		55	31		63	38		92	62	
9	36	22		38	20		48	32		62	36		68	43		86	60	
10	39	24		36	24		45	29		62	38		66	43		85	63	
11	41	27		40	25		42	25		64	50		63	37	t	85	56	
12	43	26		41	28		45	27		65	51		49	38	0.15	73	47	0.82
13	39	26		42	29		47	30		62	36	0.04	55	37		60	44	0.22
14	46	28		44	26		42	34	0.61	57	32		58	41		65	44	
15	47	27		42	27		52	37		65	40		57	40		73	48	
16	39	27		41	26		54	34		69	47		66	41		79	54	
17	40	30		41	29		56	35		68	45		73	47	t	79	50	
18	42	29		41	28	t	56	36		69	45		73	47		82	51	
19	36	31	0.05	41	30	t	56	32		71	46		64	40		82	51	
20	38	31	0.56	38	28	0.46	45	27		72	45		71	41		80	51	
21	37	32		39	26	t	52	29		67	51		72	48		81	54	
22	37	32		37	19		55	33		57	34	0.36	73	50		84	56	
23	36	23		38	20		57	31		51	35		65	39		87	58	
24	35	21		36	24		52	33		62	38		63	33		90	57	
25	35	21		41	26		52	31		63	40		64	38		85	59	
26	37	23	0.8	44	25		49	36		63	38		70	45		86	58	
27	33	23	0.43	41	27		53	26		65	41		75	58		91	63	
28	43	30		41	34		53	30		67	54		80	63		90	61	
29	45	29					57	35		64	33		80	44		88	63	
30	41	25					64	44		51	33		67	39				
31	34	29					67	49					75	46				
Total	1189	796	1.84	1105	727	1.46	1570	1006	1.26	1808	1163	0.4	2031	1295	0.15	2461	1650	1.04
AVG	38.35	25.68		39.46	25.96		50.65	32.45		60.27	38.77		65.52	41.77		82.03	55.00	
AVG DAILY	32.02			32.71			41.55			49.52			53.65			68.52		

temperature in °F
precipitation in inches

SUNNYSIDE WEATHER STATION 2010 CLIMATOLOGICAL REPORT

day	July			August			September			October			November			December		
	max temp	min temp	precip	max temp	min temp	precip	max temp	min temp	precip	max temp	min temp	precip	max temp	min temp	precip	max temp	min temp	precip
1	82	59		88	60	0.24	80	51		85	57		56	39		40	28	
2	83	63	0.08	81	62		83	55		85	57		61	40		43	26	
3	84	56		79	59		85	56		83	57		65	45		49	32	
4	85	51	0.07	84	67	0.32	88	60		80	50	0.1	65	43		48	35	
5	78	48		81	57		88	55		64	49	1.15	63	44		50	38	
6	87	55		85	60		86	46		67	48	1.22	62	43		41	34	
7	87	62		85	56	0.35	75	49		63	46	0.15	60	42		48	30	
8	85	57		76	52	0.17	72	50		64	40		59	49	0.15	48	30	
9	84	57		78	54	0.09	71	59		58	40		53	31		43	31	
10	84	60	t	81	54		70	42		65	43		41	25		49	33	
11	86	60		84	63		73	43		68	45		42	28		47	34	
12	87	56		85	58		80	50		68	49		44	26		53	37	
13	89	62	t	84	54		81	53		68	45		45	27		53	34	
14	91	60		87	58		83	53		68	45		43	28		49	34	
15	93	62		89	60		80	52		69	47		48	33	t	46	36	
16	95	62		90	63		81	54		71	48		52	34		43	23	
17	96	68		86	58		83	56		71	50		47	29		42	22	
18	95	65		89	64		83	55		65	48	0.28	47	31		33	27	
19	94	66		81	59		82	55		62	42		46	33		40	31	0.65
20	95	68		79	52		85	64		68	44		48	39		46	37	1.34
21	93	63	0.05	85	58		82	52		69	45	0.05	48	34		43	36	
22	86	60		87	63		80	54	0.16	56	46		36	26		43	39	
23	91	61		82	57		71	47		57	42	0.24	37	27		49	38	0.75
24	93	66		84	64		75	48		54	40	0.22	36	17		49	32	
25	95	62		86	57		79	51		53	38		30	11		45	30	
26	94	63	0.05	88	61		82	55		45	31		36	19		40	32	0.17
27	89	62		89	61		85	58		48	29		36	21		40	27	
28	89	62		80	58		87	59		50	31		34	25		41	24	
29	87	62	0.33	77	63	0.12	86	56		54	37		38	22		34	22	0.95
30	89	62		75	54		86	58		59	40	0.3	37	17		34	22	
31	90	65	0.52	75	48		86	58		59	38		37	17		21	13	
Total	2756	1885	1.1	2580	1814	1.29	2422	1596	0.16	1996	1367	3.71	1415	928	0.15	1350	947	3.86
AVG	88.90	60.81		83.23	58.52		80.73	53.20		64.39	44.10		47.17	30.93		43.55	30.55	
AVG DAILY	74.85			70.87			66.97			54.24			39.05			37.05		

AVERAGE HIGH TEMPERATURE 62.02
 AVERAGE LOW TEMPERATURE 41.48
 TOTAL PRECIPITATION FOR 2010 16.42
 AVERAGE MONTHLY PRECIPITATION 1.37

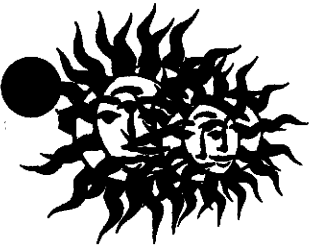


APPENDIX B-2 WATER MONITORING



APPENDIX B-2 WATER MONITORING

FIRST QUARTER



Sunnyside Cogeneration Associates

P.O. Box 10, East Carbon, Utah 84520 (435) 888-4476 Fax (435) 888-2538

April 25, 2010

Daron Haddock
Division of Oil, Gas & Mining
1594 W. North Temple, Suite 1210
Salt Lake City, Utah 84116

Subject: Quarterly Sampling Report
Monitoring Period: January, February, March 2010
DOGM Operational Water Monitoring

Dear Daron:

This letter is to confirm that the quarterly baseline water sampling data and the UPDES DMR data, have been submitted to the DOGM EDI web site. The data is correct and ready to be processed.

Should you have any questions, please contact Rusty Netz or myself at (435)888-4476.

Thank You,

Richard Carter/RN

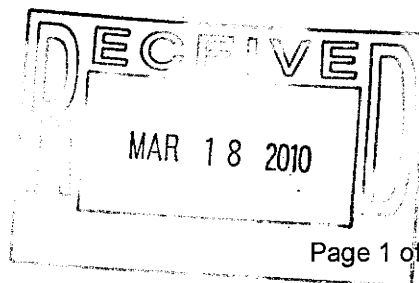
Richard Carter
Agent For
Sunnyside Cogeneration Associates

c.c. Steve Gross
William Rossiter
Maggie Estrada
Paul Shepard
Rusty Netz
Plant File



March 16, 2010

Analysis Report



Page 1 of 2

SUNNYSIDE COGENERATION FAC

PO BOX 10
EAST CARBON UT 84520

Client Sample ID: CRB
Date Sampled: Mar 2, 2010
Date Received: Mar 3, 2010
Product Description: WATER

Sample ID By: Sunnyside Cogeneration Assoc.
Sample Taken At: CRB
Sample Taken By: Richard Safley
Time Sampled: 0900
Time Received: 1015
Mine: 27
Site: 9
Field - pH: 8.18 pH
Field - Dis. Oxygen: 10.7 MG/L
Field - Flow: 5 GPM
Field - Conductivity: 6500 UMHOS/CM
Field - Temperature: 3.3 DEG. C

Comments: Dissolved Metals Filtered at Lab
SO4 Bottle Preserved at Lab
pH expired when received

SGS Minerals Sample ID: 782-1001971-001

Tests	Result	Unit	Method	REPORTING	ANALYZED		
				LIMIT	DATE	TIME	ANALYST
Hardness, mg equivalent CaCO ₃ /L	3192	mg/L	SM2340-B	1.000	03/09/2010	08:55	AL
Oil and Grease, (HEM)	<5	mg/L	EPA 1664	5.000	03/05/2010	09:00	CM
Anions	98.16	meq/L	SM1030	0.000	03/09/2010	08:55	AL
Acidity	11	mg/L	D1067	5.000	03/09/2010	09:30	CM
Cations	101.13	meq/L	SM1030	0.000	03/09/2010	08:55	AL
Nitrite	<0.05	mg/L	EPA 300.0	0.050	03/04/2010	00:09	CM
Balance	1.49	%	SM1030	-10.000	03/09/2010	08:55	AL
Nitrate	0.86	mg/L	EPA 300.0	0.050	03/04/2010	00:09	CM
Ortho-Phosphate-P	<0.05	mg/L	EPA 300.0	0.050	03/04/2010	00:09	CM
Sulfate, SO ₄	4129	mg/L	EPA 300.0	1.000	03/05/2010	14:15	CM
Nitrogen, Ammonia	<0.1	mg/L	SM4500-B-D	0.100	03/08/2010	07:45	AL
Conductivity	6740	µmhos/cm	SM2510	0.100	03/03/2010	12:45	CM
pH	8.13	s. u.	SM4500-H	0.010	03/03/2010	12:35	CM
pH Temperature	14.40	°C	SM4500-H	0.010	03/03/2010	12:35	CM
Settleable Solids	<0.1	mL/L	SM2540-F a	0.100	03/03/2010	14:00	CM
Total Dissolved Solids	6985	mg/L	SM2540-C	30.000	03/04/2010	13:50	CM
Total Suspended Solids	<5	mg/L	SM2540-D	5.000	03/04/2010	13:50	CM
Chloride, Cl	171	mg/L	EPA 300.0	1.000	03/04/2010	00:09	CM
Alkalinity, mg CaCO ₃ /L (pH 4.5)	368	mg/L	SM2320-B	5.000	03/04/2010	15:30	CM
Carbonate Alkalinity as CaCO ₃	<5	mg/L	SM2320-B	5.000	03/04/2010	15:30	CM
Bicarbonate Alkalinity as CaCO ₃	368	mg/L	SM2320-B	5.000	03/04/2010	15:30	CM

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

SGS North America Inc.

Minerals Services Division

P.O. Box 1020, Huntington, UT 84528 t (435) 653-2311 f (435) 653-2436 www.us.sgs.com/minerals

Member of the SGS Group

GENERAL CONDITIONS OF SERVICE ON REVERSE



Analysis Report

March 16, 2010

SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

Page 2 of 2

Client Sample ID: CRB
Date Sampled: Mar 2, 2010
Date Received: Mar 3, 2010
Product Description: WATER

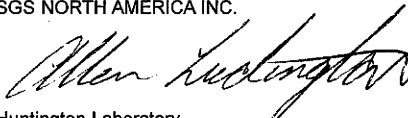
Sample ID By: Sunnyside Cogeneration Assoc.
Sample Taken At: CRB
Sample Taken By: Richard Safley
Time Sampled: 0900
Time Received: 1015
Mine: 27
Site: 9
Field - pH: 8.18 pH
Field - Dis. Oxygen: 10.7 MG/L
Field - Flow: 5 GPM
Field - Conductivity: 6500 UMHOS/CM
Field - Temperature: 3.3 DEG. C

Comments: Dissolved Metals Filtered at Lab
SO4 Bottle Preserved at Lab
pH expired when received

SGS Minerals Sample ID: 782-1001971-001

<u>Tests</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>REPORTING</u>		<u>ANALYZED</u>	
				<u>LIMIT</u>	<u>DATE</u>	<u>TIME</u>	<u>ANALYST</u>
METALS BY ICP							
Molybdenum, Mo - Dissolved	<0.005	mg/L	EPA 200.7	0.005	03/08/2010	14:52	CM
Aluminum, Al - Dissolved	<0.03	mg/L	EPA 200.7	0.030	03/08/2010	14:52	CM
Arsenic, As - Dissolved	<0.01	mg/L	EPA 200.7	0.010	03/08/2010	14:52	CM
Boron, B - Dissolved	1.83	mg/L	EPA 200.7	0.010	03/08/2010	14:52	CM
Cadmium, Cd - Dissolved	<0.001	mg/L	EPA 200.7	0.001	03/08/2010	14:52	CM
Calcium, Ca - Dissolved	464.26	mg/L	EPA 200.7	0.030	03/08/2010	14:52	CM
Copper, Cu - Dissolved	0.01	mg/L	EPA 200.7	0.010	03/08/2010	14:52	CM
Iron, Fe - Total	<0.05	mg/L	EPA 200.7	0.050	03/04/2010	12:51	CM
Iron, Fe - Dissolved	<0.03	mg/L	EPA 200.7	0.030	03/08/2010	14:52	CM
Lead, Pb - Dissolved	<0.01	mg/L	EPA 200.7	0.010	03/08/2010	14:52	CM
Magnesium, Mg - Dissolved	493.64	mg/L	EPA 200.7	0.010	03/08/2010	14:52	CM
Manganese, Mn - Total	<0.002	mg/L	EPA 200.7	0.002	03/04/2010	12:51	CM
Manganese, Mn - Dissolved	<0.002	mg/L	EPA 200.7	0.002	03/08/2010	14:52	CM
Potassium, K - Dissolved	42.40	mg/L	EPA 200.7	0.140	03/08/2010	14:52	CM
Selenium, Se - Dissolved	<0.02	mg/L	EPA 200.7	0.020	03/08/2010	14:52	CM
Sodium, Na - Dissolved	833.82	mg/L	EPA 200.7	0.090	03/08/2010	14:52	CM
Zinc, Zn - Dissolved	<0.004	mg/L	EPA 200.7	0.004	03/08/2010	14:52	CM

Respectfully submitted,
SGS NORTH AMERICA INC.


Huntington Laboratory



Analysis Report

March 16, 2010

SUNNYSIDE COGENERATION FAC

PO BOX 10
EAST CARBON UT 84520

Page 1 of 2

Client Sample ID: F2
Date Sampled: Mar 2, 2010
Date Received: Mar 3, 2010
Product Description: WATER

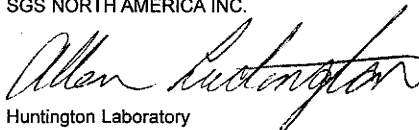
Sample ID By: Sunnyside Cogeneration Assoc.
Sample Taken At: F2
Sample Taken By: Richard Safley
Time Sampled: 0935
Time Received: 1015
Mine: 27
Site: 11
Field - pH: 8.42 pH
Field - Dis. Oxygen: 11.0 MG/L
Field - Flow: 8-10 GPM
Field - Conductivity: 1635 UMHOS/CM
Field - Temperature: 3.5 DEG. C

Comments: Dissolved Metals Filtered at Lab
SO4 Bottle Preserved at Lab
pH expired when received

SGS Minerals Sample ID: 782-1001971-002

Tests	Result	Unit	Method	REPORTING	ANALYZED		
				LIMIT	DATE	TIME	ANALYST
Hardness, mg equivalent CaCO3/L	640	mg/L	SM2340-B	1.000	03/09/2010	08:55	AL
Oil and Grease, (HEM)	<5	mg/L	EPA 1664	5.000	03/05/2010	09:00	CM
Anions	20.60	meq/L	SM1030	0.000	03/09/2010	08:55	AL
Acidity	<5	mg/L	D1067	5.000	03/09/2010	09:30	CM
Cations	20.77	meq/L	SM1030	0.000	03/09/2010	08:55	AL
Nitrite	<0.05	mg/L	EPA 300.0	0.050	03/04/2010	00:09	CM
Balance	0.42	%	SM1030	-10.000	03/09/2010	08:55	AL
Nitrate	0.24	mg/L	EPA 300.0	0.050	03/04/2010	00:09	CM
Ortho-Phosphate-P	<0.05	mg/L	EPA 300.0	0.050	03/04/2010	00:09	CM
Sulfate, SO4	515	mg/L	EPA 300.0	1.000	03/05/2010	14:15	CM
Nitrogen, Ammonia	<0.1	mg/L	SM4500-B-D	0.100	03/08/2010	07:45	AL
Conductivity	1701	µmhos/cm	SM2510	0.100	03/03/2010	12:45	CM
pH	8.42	s. u.	SM4500-H	0.010	03/03/2010	12:37	CM
pH Temperature	14.30	°C	SM4500-H	0.010	03/03/2010	12:37	CM
Settleable Solids	<0.1	mL/L	SM2540-F a	0.100	03/03/2010	14:00	CM
Total Dissolved Solids	1218	mg/L	SM2540-C	30.000	03/04/2010	13:50	CM
Total Suspended Solids	7	mg/L	SM2540-D	5.000	03/04/2010	13:50	CM
Chloride, Cl	37	mg/L	EPA 300.0	1.000	03/04/2010	00:09	CM
Alkalinity, mg CaCO3/L (pH 4.5)	442	mg/L	SM2320-B	5.000	03/04/2010	15:30	CM
Carbonate Alkalinity as CaCO3	41	mg/L	SM2320-B	5.000	03/04/2010	15:30	CM
Bicarbonate Alkalinity as CaCO3	401	mg/L	SM2320-B	5.000	03/04/2010	15:30	CM

Respectfully submitted,
SGS NORTH AMERICA INC.


Huntington Laboratory

SGS North America Inc.

Minerals Services Division

P.O. Box 1020, Huntington, UT 84528 t (435) 653-2311 f (435) 653-2436 www.us.sgs.com/minerals

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GENERAL CONDITIONS OF SERVICE ON REVERSE



Analysis Report

March 16, 2010

SUNNYSIDE COGENERATION FAC

PO BOX 10

EAST CARBON UT 84520

Page 2 of 2

Client Sample ID: F2
Date Sampled: Mar 2, 2010
Date Received: Mar 3, 2010
Product Description: WATER

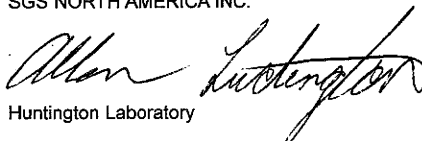
Sample ID By: Sunnyside Cogeneration Assoc.
Sample Taken At: F2
Sample Taken By: Richard Safley
Time Sampled: 0935
Time Received: 1015
Mine: 27
Site: 11
Field - pH: 8.42 pH
Field - Dis. Oxygen: 11.0 MG/L
Field - Flow: 8-10 GPM
Field - Conductivity: 1635 UMHOS/CM
Field - Temperature: 3.5 DEG. C

Comments: Dissolved Metals Filtered at Lab
SO4 Bottle Preserved at Lab
pH expired when received

SGS Minerals Sample ID: 782-1001971-002

<u>Tests</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	REPORTING		ANALYZED	
				<u>LIMIT</u>	<u>DATE</u>	<u>TIME</u>	<u>ANALYST</u>
METALS BY ICP							
Molybdenum, Mo - Dissolved	<0.005	mg/L	EPA 200.7	0.005	03/08/2010	14:52	CM
Aluminum, Al - Dissolved	<0.03	mg/L	EPA 200.7	0.030	03/08/2010	14:52	CM
Arsenic, As - Dissolved	<0.01	mg/L	EPA 200.7	0.010	03/08/2010	14:52	CM
Boron, B - Dissolved	0.17	mg/L	EPA 200.7	0.010	03/08/2010	14:52	CM
Cadmium, Cd - Dissolved	<0.001	mg/L	EPA 200.7	0.001	03/08/2010	14:52	CM
Calcium, Ca - Dissolved	86.95	mg/L	EPA 200.7	0.030	03/08/2010	14:52	CM
Copper, Cu - Dissolved	0.01	mg/L	EPA 200.7	0.010	03/08/2010	14:52	CM
Iron, Fe - Total	0.21	mg/L	EPA 200.7	0.050	03/04/2010	12:51	CM
Iron, Fe - Dissolved	<0.03	mg/L	EPA 200.7	0.030	03/08/2010	14:52	CM
Lead, Pb - Dissolved	<0.01	mg/L	EPA 200.7	0.010	03/08/2010	14:52	CM
Magnesium, Mg - Dissolved	102.76	mg/L	EPA 200.7	0.010	03/08/2010	14:52	CM
Manganese, Mn - Total	0.015	mg/L	EPA 200.7	0.002	03/04/2010	12:51	CM
Manganese, Mn - Dissolved	0.008	mg/L	EPA 200.7	0.002	03/08/2010	14:52	CM
Potassium, K - Dissolved	3.24	mg/L	EPA 200.7	0.140	03/08/2010	14:52	CM
Selenium, Se - Dissolved	<0.02	mg/L	EPA 200.7	0.020	03/08/2010	14:52	CM
Sodium, Na - Dissolved	181.56	mg/L	EPA 200.7	0.090	03/08/2010	14:52	CM
Zinc, Zn - Dissolved	<0.004	mg/L	EPA 200.7	0.004	03/08/2010	14:52	CM

Respectfully submitted,
SGS NORTH AMERICA INC.


Huntington Laboratory

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Analysis Report

March 16, 2010

SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

Page 1 of 2

Client Sample ID: Well 1
Date Sampled: Mar 2, 2010
Date Received: Mar 3, 2010
Product Description: WATER

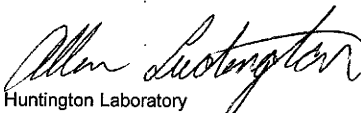
Sample ID By: Sunnyside Cogeneration Assoc.
Sample Taken At: Well 1
Sample Taken By: Richard Safley
Time Sampled: 1000
Time Received: 1015
Mine: 27
Site: 8
Field - pH: 8.03 pH
Field - Dis. Oxygen: 10.9 MG/L
Field - Flow: 200 GPM
Field - Conductivity: 1399 UMHOS/CM
Field - Temperature: 3.8 DEG. C

Comments: Dissolved Metals Filtered at Lab
SO4 Bottle Preserved at Lab
pH expired when received

SGS Minerals Sample ID: 782-1001971-003

Tests	Result	Unit	Method	REPORTING	ANALYZED		
				LIMIT	DATE	TIME	ANALYST
Hardness, mg equivalent CaCO3/L	518	mg/L	SM2340-B	1.000	03/09/2010	08:55	AL
Oil and Grease, (HEM)	<5	mg/L	EPA 1664	5.000	03/05/2010	09:00	CM
Anions	15.71	meq/L	SM1030	0.000	03/09/2010	08:55	AL
Acidity	14	mg/L	D1067	5.000	03/09/2010	09:30	CM
Cations	15.87	meq/L	SM1030	0.000	03/09/2010	08:55	AL
Nitrite	<0.05	mg/L	EPA 300.0	0.050	03/04/2010	00:09	CM
Balance	0.48	%	SM1030	-10.000	03/09/2010	08:55	AL
Nitrate	1.63	mg/L	EPA 300.0	0.050	03/04/2010	00:09	CM
Ortho-Phosphate-P	<0.05	mg/L	EPA 300.0	0.050	03/04/2010	00:09	CM
Sulfate, SO4	311	mg/L	EPA 300.0	1.000	03/04/2010	00:09	CM
Nitrogen, Ammonia	<0.1	mg/L	SM4500-B-D	0.100	03/08/2010	07:45	AL
Conductivity	1367	µmhos/cm	SM2510	0.100	03/03/2010	12:45	CM
pH	7.98	s. u.	SM4500-H	0.010	03/03/2010	12:39	CM
pH Temperature	14.20	°C	SM4500-H	0.010	03/03/2010	12:39	CM
Settleable Solids	<0.1	mL/L	SM2540-F a	0.100	03/03/2010	14:00	CM
Total Dissolved Solids	882	mg/L	SM2540-C	30.000	03/04/2010	13:50	CM
Total Suspended Solids	8	mg/L	SM2540-D	5.000	03/04/2010	13:50	CM
Chloride, Cl	51	mg/L	EPA 300.0	1.000	03/04/2010	00:09	CM
Alkalinity, mg CaCO3/L (pH 4.5)	391	mg/L	SM2320-B	5.000	03/04/2010	15:30	CM
Carbonate Alkalinity as CaCO3	<5	mg/L	SM2320-B	5.000	03/04/2010	15:30	CM
Bicarbonate Alkalinity as CaCO3	391	mg/L	SM2320-B	5.000	03/04/2010	15:30	CM

Respectfully submitted,
SGS NORTH AMERICA INC.


Huntington Laboratory

SGS North America Inc. Minerals Services Division
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March 16, 2010

Analysis Report

SUNNYSIDE COGENERATION FAC

PO BOX 10
EAST CARBON UT 84520

Page 2 of 2

Client Sample ID: Well 1
Date Sampled: Mar 2, 2010
Date Received: Mar 3, 2010
Product Description: WATER

Sample ID By: Sunnyside Cogeneration Assoc.
Sample Taken At: Well 1
Sample Taken By: Richard Safley
Time Sampled: 1000
Time Received: 1015
Mine: 27
Site: 8
Field - pH: 8.03 pH
Field - Dis. Oxygen: 10.9 MG/L
Field - Flow: 200 GPM
Field - Conductivity: 1399 UMHOS/CM
Field - Temperature: 3.8 DEG. C

Comments: Dissolved Metals Filtered at Lab
SO4 Bottle Preserved at Lab
pH expired when received

SGS Minerals Sample ID: 782-1001971-003

<u>Tests</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	REPORTING	ANALYZED		
				<u>LIMIT</u>	<u>DATE</u>	<u>TIME</u>	<u>ANALYST</u>
METALS BY ICP							
Molybdenum, Mo - Dissolved	<0.005	mg/L	EPA 200.7	0.005	03/08/2010	14:52	CM
Aluminum, Al - Dissolved	<0.03	mg/L	EPA 200.7	0.030	03/08/2010	14:52	CM
Arsenic, As - Dissolved	<0.01	mg/L	EPA 200.7	0.010	03/08/2010	14:52	CM
Boron, B - Dissolved	0.18	mg/L	EPA 200.7	0.010	03/08/2010	14:52	CM
Cadmium, Cd - Dissolved	<0.001	mg/L	EPA 200.7	0.001	03/08/2010	14:52	CM
Calcium, Ca - Dissolved	66.55	mg/L	EPA 200.7	0.030	03/08/2010	14:52	CM
Copper, Cu - Dissolved	0.01	mg/L	EPA 200.7	0.010	03/08/2010	14:52	CM
Iron, Fe - Total	0.56	mg/L	EPA 200.7	0.050	03/04/2010	12:51	CM
Iron, Fe - Dissolved	<0.03	mg/L	EPA 200.7	0.030	03/08/2010	14:52	CM
Lead, Pb - Dissolved	<0.01	mg/L	EPA 200.7	0.010	03/08/2010	14:52	CM
Magnesium, Mg - Dissolved	85.42	mg/L	EPA 200.7	0.010	03/08/2010	14:52	CM
Manganese, Mn - Total	0.007	mg/L	EPA 200.7	0.002	03/04/2010	12:51	CM
Manganese, Mn - Dissolved	0.007	mg/L	EPA 200.7	0.002	03/08/2010	14:52	CM
Potassium, K - Dissolved	2.49	mg/L	EPA 200.7	0.140	03/08/2010	14:52	CM
Selenium, Se - Dissolved	<0.02	mg/L	EPA 200.7	0.020	03/08/2010	14:52	CM
Sodium, Na - Dissolved	125.37	mg/L	EPA 200.7	0.090	03/08/2010	14:52	CM
Zinc, Zn - Dissolved	0.008	mg/L	EPA 200.7	0.004	03/08/2010	14:52	CM

Respectfully submitted,
SGS NORTH AMERICA INC.

Huntington Laboratory

SGS North America Inc.

Minerals Services Division

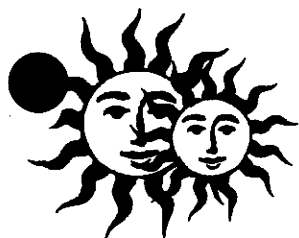
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APPENDIX B-2 WATER MONITORING

SECOND QUARTER



Sunnyside Cogeneration Associates

P.O. Box 10, East Carbon, Utah 84520 • (435) 888-4476 • Fax (435) 888-2538

July 16, 2010

Daron Haddock
Division of Oil, Gas & Mining
1594 W. North Temple, Suite 1210
Salt Lake City, Utah 84116

Subject: Quarterly Sampling Report
Monitoring Period: April, May, June 2010
DOGM Operational Water Monitoring

Dear Daron:

This letter is to confirm that the quarterly baseline water sampling data and the UPDES DMR data, have been submitted to the DOGM EDI web site. The data is correct and ready to be processed.

Should you have any questions, please contact Rusty Netz or myself at (435)888-4476.

Thank You,

Richard Carter
Agent For
Sunnyside Cogeneration Associates

c.c. Steve Gross
William Rossiter
Maggie Estrada
Paul Shepard
Rusty Netz
Plant File

Sunnyside Cogeneration Facility
Sunnyside, Utah

Field Parameter Data

DOGM Permit Boundary Water Quality Monitoring Plan
Monitoring Period: Second Quarter 2010
Samples taken June 8, 2010

Monitoring Location	Location	Temp. (C)	pH (su)	SC (umhos)	Dissolved Oxygen (mg/l)	Flow Rate (gpm)	Flow method
Icelander Creek	ICE-1	NW	NW	NW	NW	NW	NW
Columbia Dugway Spring	F-2	16	8.44	1703	8.7	5	2
Coarse Refuse Seep Source	CRS	NA	NA	NA	NA	NA	NA
Coarse Refuse Seep Boundary	CRB	16	7.9	6520	7.3	5	2
Dragerton Well	Well-1	NW	NW	NW	NW	NW	NW
Borehole B-6	B-6	NW	NW	NW	NW	NW	NW

Notes:

- na - no flow
- NW- no water present
- NW/F- no water present frozen
- nd - data is not available due to lack of discharge
- 1- Flow rates were measured using a weir.
- 2 - Flow rates were measured using a calibrated container and stopwatch method.
- 3 - Flow rates were measured using the floating debris method.
- 4 - Flow rates were measured using a meter



Analysis Report

June 23, 2010

SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

Page 1 of 3

Client Sample ID: CRB
Date Sampled: Jun 8, 2010
Date Received: Jun 9, 2010
Product Description: WATER

Sample ID By: Sunnyside Cogeneration Assoc.
Sample Taken At: CRB
Sample Taken By: RUSTY NETZ
Time Sampled: 0900
Time Received: 1000
Mine: 27
Site: 9
Field - pH: 7.9 pH
Field - Dis. Oxygen: 7.3 MG/L
Field - Flow: 5 GPM
Field - Conductivity: 6520 UMHOS/CM
Field - Temperature: 16 DEG. C

Comments: Dissolved Metals Filtered at Lab
H2SO4 Preserved at Lab
pH expired when received

SGS Minerals Sample ID: 782-1002972-001

TESTS	RESULT	UNIT	METHOD	REPORTING	ANALYZED		
				LIMIT	DATE	TIME	ANALYST
Hardness, mg equivalent CaCO3/L	3188	mg/L	SM2340-B	1.000	2010-06-18	08:35:00	AL
Acidity	6	mg/L	D1067	5.000	2010-06-16	13:00:00	CM
Nitrite	<0.05	mg/L	EPA 300.0	0.050	2010-06-09	19:36:00	AL
Nitrate	0.26	mg/L	EPA 300.0	0.050	2010-06-09	19:36:00	AL
Ortho-Phosphate-P	<0.05	mg/L	EPA 300.0	0.050	2010-06-09	19:36:00	AL
Sulfate, SO4	4074	mg/L	EPA 300.0	1.000	2010-06-10	16:43:00	AL
Oil and Grease, (HEM)	<5	mg/L	EPA 1664	5.000	2010-06-11	09:00:00	CM
Anions	96.27	meq/L	SM1030	0.000	2010-06-18	08:35:00	AL
Cations	100.82	meq/L	SM1030	0.000	2010-06-18	08:35:00	AL
Balance	2.31	%	SM1030	-10.000	2010-06-18	08:35:00	AL
Nitrogen, Ammonia	<0.1	mg/L	SM4500-B-D	0.100	2010-06-22	08:00:00	AL
pH	8.08	s. u.	SM4500-H	0.010	2010-06-09	10:50:00	CM
pH Temperature	19.40	°C	SM4500-H	0.010	2010-06-09	10:50:00	CM
Conductivity	6770	µmhos/cm	SM2510	0.100	2010-06-09	11:00:00	CM
Settleable Solids	<0.1	mL/L	SM2540-F a	0.100	2010-06-09	10:15:00	CM

Allen Ludington
Water Lab Supervisor

SGS North America Inc. Minerals Services Division
2035 North Airport Road Huntington t (435) 653-2311 f (435)-653-2436 www.sgs.com/minerals

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Analysis Report

June 23, 2010

SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

Page 2 of 3

Client Sample ID: CRB
Date Sampled: Jun 8, 2010
Date Received: Jun 9, 2010
Product Description: WATER

Sample ID By: Sunnyside Cogeneration Assoc.
Sample Taken At: CRB
Sample Taken By: RUSTY NETZ
Time Sampled: 0900
Time Received: 1000
Mine: 27
Site: 9
Field - pH: 7.9 pH
Field - Dis. Oxygen: 7.3 MG/L
Field - Flow: 5 GPM
Field - Conductivity: 6520 UMHOS/CM
Field - Temperature: 16 DEG. C

Comments: Dissolved Metals Filtered at Lab
H2SO4 Preserved at Lab
pH expired when received

SGS Minerals Sample ID: 782-1002972-001

TESTS	RESULT	UNIT	METHOD	REPORTING	ANALYZED		
				LIMIT	DATE	TIME	ANALYST
Total Dissolved Solids	6984	mg/L	SM2540-C	30.000	2010-06-10	16:30:00	AL
Total Suspended Solids	<5	mg/L	SM2540-D	5.000	2010-06-10	16:30:00	AL
Chloride, Cl	167	mg/L	EPA 300.0	1.000	2010-06-09	19:36:00	AL
Alkalinity, mg CaCO ₃ /L (pH 4.5)	337	mg/L	SM2320-B	5.000	2010-06-10	10:32:00	CM
Carbonate Alkalinity as CaCO ₃	<5	mg/L	SM2320-B	5.000	2010-06-10	10:32:00	CM
Bicarbonate Alkalinity as CaCO ₃	337	mg/L	SM2320-B	5.000	2010-06-10	10:32:00	CM
METALS BY ICP							
Molybdenum, Mo - Dissolved	<0.005	mg/L	EPA 200.7	0.005	2010-06-10	18:24:00	CM
Aluminum, Al - Dissolved	<0.03	mg/L	EPA 200.7	0.030	2010-06-10	18:24:00	CM
Arsenic, As - Dissolved	0.02	mg/L	EPA 200.7	0.010	2010-06-10	18:24:00	CM
Boron, B - Dissolved	2.03	mg/L	EPA 200.7	0.010	2010-06-10	18:24:00	CM
Cadmium, Cd - Dissolved	<0.001	mg/L	EPA 200.7	0.001	2010-06-10	18:24:00	CM
Calcium, Ca - Dissolved	467.19	mg/L	EPA 200.7	0.030	2010-06-10	18:24:00	CM
Copper, Cu - Dissolved	0.01	mg/L	EPA 200.7	0.010	2010-06-10	18:24:00	CM
Iron, Fe - Total	<0.05	mg/L	EPA 200.7	0.050	2010-06-15	19:42:00	CM

Allen Ludington
Water Lab Supervisor

SGS North America Inc. Minerals Services Division
2035 North Airport Road Huntingdon t (435) 653-2311 f (435)-653-2436 www.sgs.com/minerals

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Analysis Report

June 23, 2010

SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

Page 3 of 3

Client Sample ID: CRB
Date Sampled: Jun 8, 2010
Date Received: Jun 9, 2010
Product Description: WATER

Sample ID By: Sunnyside Cogeneration Assoc.
Sample Taken At: CRB
Sample Taken By: RUSTY NETZ
Time Sampled: 0900
Time Received: 1000
Mine: 27
Site: 9
Field - pH: 7.9 pH
Field - Dis. Oxygen: 7.3 MG/L
Field - Flow: 5 GPM
Field - Conductivity: 6520 UMHOS/CM
Field - Temperature: 16 DEG. C

Comments: Dissolved Metals Filtered at Lab
H2SO4 Preserved at Lab
pH expired when received

SGS Minerals Sample ID: 782-1002972-001

TESTS	RESULT	UNIT	METHOD	REPORTING	ANALYZED		
				LIMIT	DATE	TIME	ANALYST
METALS BY ICP (continued)							
Iron, Fe - Dissolved	<0.03	mg/L	EPA 200.7	0.030	2010-06-10	18:24:00	CM
Lead, Pb - Dissolved	<0.01	mg/L	EPA 200.7	0.010	2010-06-10	18:24:00	CM
Magnesium, Mg - Dissolved	490.80	mg/L	EPA 200.7	0.010	2010-06-10	18:24:00	CM
Manganese, Mn - Total	0.002	mg/L	EPA 200.7	0.002	2010-06-15	19:42:00	CM
Manganese, Mn - Dissolved	<0.002	mg/L	EPA 200.7	0.002	2010-06-10	18:24:00	CM
Potassium, K - Dissolved	47.65	mg/L	EPA 200.7	0.140	2010-06-10	18:24:00	CM
Selenium, Se - Dissolved	<0.02	mg/L	EPA 200.7	0.020	2010-06-10	18:24:00	CM
Sodium, Na - Dissolved	825.47	mg/L	EPA 200.7	0.090	2010-06-10	18:24:00	CM
Zinc, Zn - Dissolved	<0.004	mg/L	EPA 200.7	0.004	2010-06-10	18:24:00	CM

Allen Ludington
Water Lab Supervisor

SGS North America Inc. Minerals Services Division
2035 North Airport Road Huntington t (435) 653-2311 f (435) 653-2436 www.sgs.com/minerals

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Analysis Report

June 23, 2010

SUNNYSIDE COGENERATION FAC

PO BOX 10
EAST CARBON UT 84520

Page 1 of 3

Client Sample ID: F2
Date Sampled: Jun 8, 2010
Date Received: Jun 9, 2010
Product Description: WATER

Sample ID By: Sunnyside Cogeneration Assoc.
Sample Taken At: F2
Sample Taken By: RUSTY NETZ
Time Sampled: 0945
Time Received: 1000
Mine: 27
Site: 11
Field - pH: 8.44 pH
Field - Dis. Oxygen: 8.7 MG/L
Field - Flow: 5 GPM
Field - Conductivity: 1703 UMHOS/CM
Field - Temperature: 16 DEG. C

Comments: Dissolved Metals Filtered at Lab
H2SO4 Preserved at Lab
pH expired when received

SGS Minerals Sample ID: 782-1002972-002

TESTS	RESULT	UNIT	METHOD	REPORTING	ANALYZED		
				LIMIT	DATE	TIME	ANALYST
Hardness, mg equivalent CaCO3/L	617	mg/L	SM2340-B	1.000	2010-06-18	08:35:00	AL
Acidity	<5	mg/L	D1067	5.000	2010-06-16	13:00:00	CM
Nitrite	<0.05	mg/L	EPA 300.0	0.050	2010-06-09	19:36:00	AL
Nitrate	<0.05	mg/L	EPA 300.0	0.050	2010-06-09	19:36:00	AL
Ortho-Phosphate-P	<0.05	mg/L	EPA 300.0	0.050	2010-06-09	19:36:00	AL
Sulfate, SO4	517	mg/L	EPA 300.0	1.000	2010-06-10	16:43:00	AL
Oil and Grease, (HEM)	<5	mg/L	EPA 1664	5.000	2010-06-11	09:00:00	CM
Anions	20.69	meq/L	SM1030	0.000	2010-06-18	08:35:00	AL
Cations	20.32	meq/L	SM1030	0.000	2010-06-18	08:35:00	AL
Balance	-0.90	%	SM1030	-10.000	2010-06-18	08:35:00	AL
Nitrogen, Ammonia	<0.1	mg/L	SM4500-B-D	0.100	2010-06-22	08:00:00	AL
pH	8.41	s. u.	SM4500-H	0.010	2010-06-09	10:52:00	CM
pH Temperature	19.30	°C	SM4500-H	0.010	2010-06-09	10:52:00	CM
Conductivity	1729	µmhos/cm	SM2510	0.100	2010-06-09	11:00:00	CM
Settleable Solids	<0.1	mL/L	SM2540-F a	0.100	2010-06-09	10:15:00	CM

Allen Ludington
Water Lab Supervisor

SGS North America Inc. Minerals Services Division
2035 North Airport Road Huntington t (435) 653-2311 f (435)-653-2436 www.sgs.com/minerals

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Analysis Report

June 23, 2010

SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

Page 2 of 3

Client Sample ID: F2
Date Sampled: Jun 8, 2010
Date Received: Jun 9, 2010
Product Description: WATER

Sample ID By: Sunnyside Cogeneration Assoc.
Sample Taken At: F2
Sample Taken By: RUSTY NETZ
Time Sampled: 0945
Time Received: 1000
Mine: 27
Site: 11
Field - pH: 8.44 pH
Field - Dis. Oxygen: 8.7 MG/L
Field - Flow: 5 GPM
Field - Conductivity: 1703 UMHOS/CM
Field - Temperature: 16 DEG. C

Comments: Dissolved Metals Filtered at Lab
H2SO4 Preserved at Lab
pH expired when received

SGS Minerals Sample ID: 782-1002972-002

TESTS	RESULT	UNIT	METHOD	REPORTING	ANALYZED		
				LIMIT	DATE	TIME	ANALYST
Total Dissolved Solids	1197	mg/L	SM2540-C	30.000	2010-06-10	16:30:00	AL
Total Suspended Solids	21	mg/L	SM2540-D	5.000	2010-06-10	16:30:00	AL
Chloride, Cl	37	mg/L	EPA 300.0	1.000	2010-06-09	19:36:00	AL
Alkalinity, mg CaCO3/L (pH 4.5)	444	mg/L	SM2320-B	5.000	2010-06-10	10:32:00	CM
Carbonate Alkalinity as CaCO3	8	mg/L	SM2320-B	5.000	2010-06-10	10:32:00	CM
Bicarbonate Alkalinity as CaCO3	436	mg/L	SM2320-B	5.000	2010-06-10	10:32:00	CM
METALS BY ICP							
Molybdenum, Mo - Dissolved	<0.005	mg/L	EPA 200.7	0.005	2010-06-10	18:24:00	CM
Aluminum, Al - Dissolved	<0.03	mg/L	EPA 200.7	0.030	2010-06-10	18:24:00	CM
Arsenic, As - Dissolved	<0.01	mg/L	EPA 200.7	0.010	2010-06-10	18:24:00	CM
Boron, B - Dissolved	0.25	mg/L	EPA 200.7	0.010	2010-06-10	18:24:00	CM
Cadmium, Cd - Dissolved	<0.001	mg/L	EPA 200.7	0.001	2010-06-10	18:24:00	CM
Calcium, Ca - Dissolved	84.39	mg/L	EPA 200.7	0.030	2010-06-10	18:24:00	CM
Copper, Cu - Dissolved	<0.01	mg/L	EPA 200.7	0.010	2010-06-10	18:24:00	CM
Iron, Fe - Total	0.56	mg/L	EPA 200.7	0.050	2010-06-22	17:34:00	CM

Allen Ludington
Water Lab Supervisor

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Analysis Report

June 23, 2010

SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

Page 3 of 3

Client Sample ID: F2
Date Sampled: Jun 8, 2010
Date Received: Jun 9, 2010
Product Description: WATER

Sample ID By: Sunnyside Cogeneration Assoc.
Sample Taken At: F2
Sample Taken By: RUSTY NETZ
Time Sampled: 0945
Time Received: 1000
Mine: 27
Site: 11
Field - pH: 8.44 pH
Field - Dis. Oxygen: 8.7 MG/L
Field - Flow: 5 GPM
Field - Conductivity: 1703 UMHOS/CM
Field - Temperature: 16 DEG. C

Comments: Dissolved Metals Filtered at Lab
H2SO4 Preserved at Lab
pH expired when received

SGS Minerals Sample ID: 782-1002972-002

TESTS	REPORTING		ANALYZED			
	RESULT	UNIT	METHOD	LIMIT	DATE	TIME ANALYST
METALS BY ICP (continued)						
Iron, Fe - Dissolved	<0.03	mg/L	EPA 200.7	0.030	2010-06-10	18:24:00 CM
Lead, Pb - Dissolved	<0.01	mg/L	EPA 200.7	0.010	2010-06-10	18:24:00 CM
Magnesium, Mg - Dissolved	98.78	mg/L	EPA 200.7	0.010	2010-06-10	18:24:00 CM
Manganese, Mn - Total	0.034	mg/L	EPA 200.7	0.002	2010-06-22	17:34:00 CM
Manganese, Mn - Dissolved	0.016	mg/L	EPA 200.7	0.002	2010-06-10	18:24:00 CM
Potassium, K - Dissolved	3.58	mg/L	EPA 200.7	0.140	2010-06-10	18:24:00 CM
Selenium, Se - Dissolved	<0.02	mg/L	EPA 200.7	0.020	2010-06-10	18:24:00 CM
Sodium, Na - Dissolved	181.45	mg/L	EPA 200.7	0.090	2010-06-10	18:24:00 CM
Zinc, Zn - Dissolved	<0.004	mg/L	EPA 200.7	0.004	2010-06-10	18:24:00 CM

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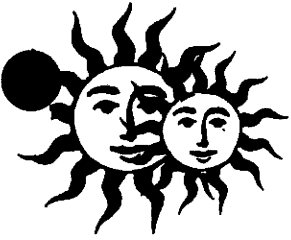
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APPENDIX B-2 WATER MONITORING

THIRD QUARTER



Sunnyside Cogeneration Associates

P.O. Box 10, East Carbon, Utah 84520 • (435) 888-4476 • Fax (435) 888-2538

October 16, 2010

Daron Haddock
Division of Oil, Gas & Mining
1594 W. North Temple, Suite 1210
Salt Lake City, Utah 84116

Subject: Quarterly Sampling Report
Monitoring Period: July, August September 2010
DOGM Operational Water Monitoring

Dear Daron:

This letter is to confirm that the quarterly baseline water sampling data and the UPDES DMR data, have been submitted to the DOGM EDI web site. The data is correct and ready to be processed.

Should you have any questions, please contact Rusty Netz or myself at (435)888-4476.

Thank You,

Richard Carter
Agent For
Sunnyside Cogeneration Associates

c.c. Steve Gross
William Rossiter
Maggie Estrada
Paul Shepard
Rusty Netz
Plant File

Sunnyside Cogeneration Facility
Sunnyside, Utah

Field Parameter Data

DOGM Permit Boundary Water Quality Monitoring Plan
Monitoring Period: third Quarter 2010
Samples taken August 17, 2010

Monitoring Location	Location I.D.	Temp. (C)	pH (su)	SC (umhos)	Dissolved Oxygen (mg/l)	Flow Rate (gpm)	Flow method
Iceland Creek	ICE-1	NW	NW	NW	NW	NW	NW
Columbia Dugway Spring	F-2	15.4	8.46	1793	8.5	3	2
Coarse Refuse Seep Source	CRS	NA	NA	NA	NA	NA	NA
Coarse Refuse Seep Boundary	CRB	16.8	8.21	6320	9	3	2
Dragerton Well	Well-1	19.2	7.85	1377	9.2	200	4
Borehole B-6	B-6	NW	NW	NW	NW	NW	NW

Notes:

na - no flow

NW- no water present

NW/F- no water present frozen

nd - data is not available due to lack of discharge

1- Flow rates were measured using a weir.

2 - Flow rates were measured using a calibrated container and stopwatch method.

3 - Flow rates were measured using the floating debris method.

4 - Flow rates were measured using a meter



Analysis Report

August 30, 2010

SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

Page 1 of 3

Client Sample ID: CRB
Date Sampled: Aug 17, 2010
Date Received: Aug 18, 2010
Product Description: WATER

Sample ID By: Sunnyside Cogeneration Assoc.
Sample Taken At: CRB
Sample Taken By: Rusty Netz
Time Sampled: 930
Time Received: 0945
Mine: 27
Site: 9
Field - pH: 8.21 pH
Field - Dis. Oxygen: 9.0 MG/L
Field - Flow: 3 GPM
Field - Conductivity: 6320 UMHOS/CM
Field - Temperature: 16.8 DEG. C

Comments: Dissolved Metals Filtered at Lab
pH expired when received
possible matrix interference for As, Se, Pb, Acidity

SGS Minerals Sample ID: 782-1003976-001

TESTS	RESULT	UNIT	METHOD	REPORTING	DATE	ANALYZED	
				LIMIT		TIME	ANALYST
Hardness, mg equivalent CaCO ₃ /L	3283	mg/L	SM2340-B	1.000	2010-08-20	09:08:00	AL
Acidity	11	mg/L	D1067	5.000	2010-08-19	13:35:00	AL
Nitrite	<0.05	mg/L	EPA 300.0	0.050	2010-08-18	17:01:00	CM
Nitrate	0.05	mg/L	EPA 300.0	0.050	2010-08-18	17:01:00	CM
Ortho-Phosphate-P	<0.05	mg/L	EPA 300.0	0.050	2010-08-18	17:01:00	CM
Sulfate, SO ₄	4485	mg/L	EPA 300.0	1.000	2010-08-18	17:01:00	CM
Oil and Grease, (HEM)	<5	mg/L	EPA 1664	5.000	2010-08-20	08:30:00	AL
Anions	105.55	meq/L	SM1030	0.000	2010-08-20	09:08:00	AL
Cations	104.37	meq/L	SM1030	0.000	2010-08-20	09:08:00	AL
Balance	-0.56	%	SM1030	-10.000	2010-08-20	09:08:00	AL
Nitrogen, Ammonia	<0.1	mg/L	SM4500-B-D	0.100	2010-08-24	07:30:00	AL
pH	8.06	s. u.	SM4500-H	0.010	2010-08-18	09:58:00	CM
pH Temperature	19.60	°C	SM4500-H	0.010	2010-08-18	09:58:00	CM
Conductivity	7160	µmhos/cm	SM2510	0.100	2010-08-18	10:30:00	CM
Settleable Solids	<0.1	mL/L	SM2540-F a	0.100	2010-08-18	13:00:00	AL

Lab Supervisor

Domenic Ibanez
Laboratory Supervisor

SGS North America Inc. Minerals Services Division
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Analysis Report

August 30, 2010

SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

Page 2 of 3

Client Sample ID: CRB
Date Sampled: Aug 17, 2010
Date Received: Aug 18, 2010
Product Description: WATER

Sample ID By: Sunnyside Cogeneration Assoc.
Sample Taken At: CRB
Sample Taken By: Rusty Netz
Time Sampled: 930
Time Received: 0945
Mine: 27
Site: 9
Field - pH: 8.21 pH
Field - Dis. Oxygen: 9.0 MG/L
Field - Flow: 3 GPM
Field - Conductivity: 6320 UMHOS/CM
Field - Temperature: 16.8 DEG. C

Comments: Dissolved Metals Filtered at Lab
pH expired when received
possible matrix interference for As, Se, Pb, Acidity

SGS Minerals Sample ID: 782-1003976-001

TESTS	RESULT	UNIT	METHOD	REPORTING	DATE	ANALYZED	ANALYST
				LIMIT		TIME	
Total Dissolved Solids	7452	mg/L	SM2540-C	30.000	2010-08-19	13:15:00	AL
Total Suspended Solids	<5	mg/L	SM2540-D	5.000	2010-08-19	13:15:00	AL
Chloride, Cl	176	mg/L	EPA 300.0	1.000	2010-08-18	17:01:00	CM
Alkalinity, mg CaCO ₃ /L (pH 4.5)	361	mg/L	SM2320-B	5.000	2010-08-18	12:30:00	AL
Carbonate Alkalinity as CaCO ₃	<5	mg/L	SM2320-B	5.000	2010-08-18	12:30:00	AL
Bicarbonate Alkalinity as CaCO ₃	361	mg/L	SM2320-B	5.000	2010-08-18	12:30:00	AL
METALS BY ICP							
Aluminum, Al - Dissolved	<0.03	mg/L	EPA 200.7	0.030	2010-08-19	16:20:00	CM
Molybdenum, Mo - Dissolved	<0.005	mg/L	EPA 200.7	0.005	2010-08-19	16:20:00	CM
Arsenic, As - Dissolved	<0.01	mg/L	EPA 200.7	0.010	2010-08-19	16:20:00	CM
Boron, B - Dissolved	2.16	mg/L	EPA 200.7	0.010	2010-08-19	16:20:00	CM
Cadmium, Cd - Dissolved	<0.001	mg/L	EPA 200.7	0.001	2010-08-19	16:20:00	CM
Calcium, Ca - Dissolved	475.28	mg/L	EPA 200.7	0.030	2010-08-19	16:20:00	CM
Copper, Cu - Dissolved	<0.01	mg/L	EPA 200.7	0.010	2010-08-19	16:20:00	CM
Iron, Fe - Total	<0.05	mg/L	EPA 200.7	0.050	2010-08-24	13:39:00	CM

Lab Supervisor

Domenic Ibanez
Laboratory Supervisor

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August 30, 2010

SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

Page 3 of 3

Client Sample ID: CRB
Date Sampled: Aug 17, 2010
Date Received: Aug 18, 2010
Product Description: WATER

Sample ID By: Sunnyside Cogeneration Assoc.
Sample Taken At: CRB
Sample Taken By: Rusty Netz
Time Sampled: 930
Time Received: 0945
Mine: 27
Site: 9
Field - pH: 8.21 pH
Field - Dis. Oxygen: 9.0 MG/L
Field - Flow: 3 GPM
Field - Conductivity: 6320 UMHOS/CM
Field - Temperature: 16.8 DEG. C

Comments: Dissolved Metals Filtered at Lab
pH expired when received
possible matrix interference for As, Se, Pb, Acidity

SGS Minerals Sample ID: 782-1003976-001

TESTS	RESULT	UNIT	METHOD	REPORTING	ANALYZED		
				LIMIT	DATE	TIME	ANALYST
METALS BY ICP (continued)							
Iron, Fe - Dissolved	<0.03	mg/L	EPA 200.7	0.030	2010-08-19	16:20:00	CM
Lead, Pb - Dissolved	<0.01	mg/L	EPA 200.7	0.010	2010-08-19	16:20:00	CM
Magnesium, Mg - Dissolved	508.93	mg/L	EPA 200.7	0.010	2010-08-19	16:20:00	CM
Manganese, Mn - Total	<0.002	mg/L	EPA 200.7	0.002	2010-08-24	13:39:00	CM
Manganese, Mn - Dissolved	<0.002	mg/L	EPA 200.7	0.002	2010-08-19	16:20:00	CM
Potassium, K - Dissolved	47.14	mg/L	EPA 200.7	0.140	2010-08-19	16:20:00	CM
Selenium, Se - Dissolved	<0.02	mg/L	EPA 200.7	0.020	2010-08-19	16:20:00	CM
Sodium, Na - Dissolved	862.26	mg/L	EPA 200.7	0.090	2010-08-19	16:20:00	CM
Zinc, Zn - Dissolved	0.009	mg/L	EPA 200.7	0.004	2010-08-19	16:20:00	CM

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Analysis Report

August 30, 2010

SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

Page 1 of 3

Client Sample ID: F2
Date Sampled: Aug 17, 2010
Date Received: Aug 18, 2010
Product Description: WATER

Sample ID By: Sunnyside Cogeneration Assoc.
Sample Taken At: F2
Sample Taken By: Rusty Netz
Time Sampled: 1000
Time Received: 0945
Mine: 27
Site: 11
Field - pH: 8.46 pH
Field - Dis. Oxygen: 8.5 MG/L
Field - Flow: 3 GPM
Field - Conductivity: 1793 UMHOS/CM
Field - Temperature: 15.4 DEG. C

Comments: Dissolved Metals Filtered at Lab
possible matrix interference for As, Se, Pb

SGS Minerals Sample ID: 782-1003976-002

TESTS	RESULT	UNIT	METHOD	REPORTING	DATE	ANALYZED	
				LIMIT		TIME	ANALYST
Hardness, mg equivalent CaCO ₃ /L	726	mg/L	SM2340-B	1.000	2010-08-20	09:08:00	AL
Acidity	<5	mg/L	D1067	5.000	2010-08-19	13:35:00	AL
Nitrite	<0.05	mg/L	EPA 300.0	0.050	2010-08-18	17:39:00	CM
Nitrate	<0.05	mg/L	EPA 300.0	0.050	2010-08-18	17:39:00	CM
Ortho-Phosphate-P	<0.05	mg/L	EPA 300.0	0.050	2010-08-18	17:39:00	CM
Sulfate, SO ₄	557	mg/L	EPA 300.0	1.000	2010-08-20	15:26:00	CM
Oil and Grease, (HEM)	<5	mg/L	EPA 1664	5.000	2010-08-20	08:30:00	AL
Anions	24.07	meq/L	SM1030	0.000	2010-08-20	09:08:00	AL
Cations	23.91	meq/L	SM1030	0.000	2010-08-20	09:08:00	AL
Balance	-0.34	%	SM1030	-10.000	2010-08-20	09:08:00	AL
Nitrogen, Ammonia	<0.1	mg/L	SM4500-B-D	0.100	2010-08-24	07:30:00	AL
pH	8.37	s. u.	SM4500-H	0.010	2010-08-18	09:59:00	CM
pH Temperature	20.40	°C	SM4500-H	0.010	2010-08-18	09:59:00	CM
Conductivity	1997	µmhos/cm	SM2510	0.100	2010-08-18	10:30:00	CM
Settleable Solids	<0.1	mL/L	SM2540-F a	0.100	2010-08-18	13:00:00	AL
Total Dissolved Solids	1409	mg/L	SM2540-C	30.000	2010-08-19	13:15:00	AL

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EAST CARBON UT 84520

Page 2 of 3

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Date Sampled: Aug 17, 2010
Date Received: Aug 18, 2010
Product Description: WATER

Sample ID By: Sunnyside Cogeneration Assoc.
Sample Taken At: F2
Sample Taken By: Rusty Netz
Time Sampled: 1000
Time Received: 0945
Mine: 27
Site: 11
Field - pH: 8.46 pH
Field - Dis. Oxygen: 8.5 MG/L
Field - Flow: 3 GPM
Field - Conductivity: 1793 UMHOS/CM
Field - Temperature: 15.4 DEG. C

Comments: Dissolved Metals Filtered at Lab
possible matrix interference for As, Se, Pb

SGS Minerals Sample ID: 782-1003976-002

TESTS	RESULT	UNIT	METHOD	REPORTING	ANALYZED		
				LIMIT	DATE	TIME	ANALYST
Total Suspended Solids	<5	mg/L	SM2540-D	5.000	2010-08-19	13:15:00	AL
Chloride, Cl	45	mg/L	EPA 300.0	1.000	2010-08-18	17:39:00	CM
Alkalinity, mg CaCO ₃ /L (pH 4.5)	561	mg/L	SM2320-B	5.000	2010-08-18	12:30:00	AL
Carbonate Alkalinity as CaCO ₃	7	mg/L	SM2320-B	5.000	2010-08-18	12:30:00	AL
Bicarbonate Alkalinity as CaCO ₃	554	mg/L	SM2320-B	5.000	2010-08-18	12:30:00	AL
METALS BY ICP							
Aluminum, Al - Dissolved	<0.03	mg/L	EPA 200.7	0.030	2010-08-19	16:20:00	CM
Molybdenum, Mo - Dissolved	<0.005	mg/L	EPA 200.7	0.005	2010-08-19	16:20:00	CM
Arsenic, As - Dissolved	<0.01	mg/L	EPA 200.7	0.010	2010-08-19	16:20:00	CM
Boron, B - Dissolved	0.29	mg/L	EPA 200.7	0.010	2010-08-19	16:20:00	CM
Cadmium, Cd - Dissolved	<0.001	mg/L	EPA 200.7	0.001	2010-08-19	16:20:00	CM
Calcium, Ca - Dissolved	93.07	mg/L	EPA 200.7	0.030	2010-08-19	16:20:00	CM
Copper, Cu - Dissolved	<0.01	mg/L	EPA 200.7	0.010	2010-08-19	16:20:00	CM
Iron, Fe - Total	0.08	mg/L	EPA 200.7	0.050	2010-08-24	13:39:00	CM
Iron, Fe - Dissolved	<0.03	mg/L	EPA 200.7	0.030	2010-08-19	16:20:00	CM
Lead, Pb - Dissolved	<0.01	mg/L	EPA 200.7	0.010	2010-08-19	16:20:00	CM

Lab Supervisor

Domenic Ibanez
Laboratory Supervisor

SGS North America Inc. Minerals Services Division
2035 North Airport Road Huntington t (435) 653-2311 f (435)-653-2436 www.sgs.com/minerals

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Analysis Report

August 30, 2010

SUNNYSIDE COGENERATION FAC

PO BOX 10

EAST CARBON UT 84520

Page 3 of 3

Client Sample ID: F2
Date Sampled: Aug 17, 2010
Date Received: Aug 18, 2010
Product Description: WATER

Sample ID By: Sunnyside Cogeneration Assoc.
Sample Taken At: F2
Sample Taken By: Rusty Netz
Time Sampled: 1000
Time Received: 0945
Mine: 27
Site: 11
Field - pH: 8.46 pH
Field - Dis. Oxygen: 8.5 MG/L
Field - Flow: 3 GPM
Field - Conductivity: 1793 UMHOS/CM
Field - Temperature: 15.4 DEG. C

Comments: Dissolved Metals Filtered at Lab
possible matrix interference for As, Se, Pb

SGS Minerals Sample ID: 782-1003976-002

TESTS			METHOD	REPORTING	DATE	ANALYZED	
	RESULT	UNIT		LIMIT		TIME	ANALYST
METALS BY ICP (continued)							
Magnesium, Mg - Dissolved	119.97	mg/L	EPA 200.7	0.010	2010-08-19	16:20:00	CM
Manganese, Mn - Total	0.023	mg/L	EPA 200.7	0.002	2010-08-24	13:39:00	CM
Manganese, Mn - Dissolved	0.020	mg/L	EPA 200.7	0.002	2010-08-19	16:20:00	CM
Potassium, K - Dissolved	3.34	mg/L	EPA 200.7	0.140	2010-08-19	16:20:00	CM
Selenium, Se - Dissolved	<0.02	mg/L	EPA 200.7	0.020	2010-08-25	11:54:01	CM
Sodium, Na - Dissolved	214.06	mg/L	EPA 200.7	0.090	2010-08-19	16:20:00	CM
Zinc, Zn - Dissolved	0.006	mg/L	EPA 200.7	0.004	2010-08-19	16:20:00	CM

Lab Supervisor

Domenic Ibanez
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Analysis Report

August 30, 2010

SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

Page 1 of 3

Client Sample ID: Well #1
Date Sampled: Aug 17, 2010
Date Received: Aug 18, 2010
Product Description: WATER

Sample ID By: Sunnyside Cogeneration Assoc.
Sample Taken At: Well #1
Sample Taken By: Rusty Netz
Time Sampled: 1020
Time Received: 0945
Mine: 27
Site: 8
Field - pH: 7.85 pH
Field - Dis. Oxygen: 9.2 MG/L
Field - Flow: 200 GPM
Field - Conductivity: 1377 UMHOS/CM
Field - Temperature: 19.2 DEG. C

Comments: Dissolved Metals Filtered at Lab
possible matrix interference for As, Se, Pb

SGS Minerals Sample ID: 782-1003976-003

TESTS	RESULT	UNIT	METHOD	REPORTING	ANALYZED		
				LIMIT	DATE	TIME	ANALYST
Hardness, mg equivalent CaCO ₃ /L	568	mg/L	SM2340-B	1.000	2010-08-20	09:08:00	AL
Acidity	12	mg/L	D1067	5.000	2010-08-19	13:35:00	AL
Nitrite	73.46	mg/L	EPA 300.0	0.050	2010-08-18	18:17:00	CM
Nitrate	2.36	mg/L	EPA 300.0	0.050	2010-08-18	18:17:00	CM
Ortho-Phosphate-P	<0.05	mg/L	EPA 300.0	0.050	2010-08-18	18:17:00	CM
Sulfate, SO ₄	371	mg/L	EPA 300.0	1.000	2010-08-18	18:17:00	CM
Oil and Grease, (HEM)	<5	mg/L	EPA 1664	5.000	2010-08-20	08:30:00	AL
Anions	17.40	meq/L	SM1030	0.000	2010-08-20	09:08:00	AL
Cations	17.21	meq/L	SM1030	0.000	2010-08-20	09:08:00	AL
Balance	-0.53	%	SM1030	-10.000	2010-08-20	09:08:00	AL
Nitrogen, Ammonia	<0.1	mg/L	SM4500-B-D	0.100	2010-08-24	07:30:00	AL
pH	7.93	s. u.	SM4500-H	0.010	2010-08-18	10:01:00	CM
pH Temperature	18.40	°C	SM4500-H	0.010	2010-08-18	10:01:00	CM
Conductivity	1538	µmhos/cm	SM2510	0.100	2010-08-18	10:30:00	CM
Settleable Solids	<0.1	mL/L	SM2540-F a	0.100	2010-08-18	13:00:00	AL
Total Dissolved Solids	1019	mg/L	SM2540-C	30.000	2010-08-19	13:15:00	AL

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Analysis Report

August 30, 2010

SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

Page 2 of 3

Client Sample ID: Well #1
Date Sampled: Aug 17, 2010
Date Received: Aug 18, 2010
Product Description: WATER

Sample ID By: Sunnyside Cogeneration Assoc.
Sample Taken At: Well #1
Sample Taken By: Rusty Netz
Time Sampled: 1020
Time Received: 0945
Mine: 27
Site: 8
Field - pH: 7.85 pH
Field - Dis. Oxygen: 9.2 MG/L
Field - Flow: 200 GPM
Field - Conductivity: 1377 UMHOS/CM
Field - Temperature: 19.2 DEG. C

Comments: Dissolved Metals Filtered at Lab
possible matrix interference for As, Se, Pb

SGS Minerals Sample ID: 782-1003976-003

TESTS	RESULT	UNIT	METHOD	REPORTING	DATE	ANALYZED	
				LIMIT		TIME	ANALYST
Total Suspended Solids	<5	mg/L	SM2540-D	5.000	2010-08-19	13:15:00	AL
Chloride, Cl	73	mg/L	EPA 300.0	1.000	2010-08-18	18:17:00	CM
Alkalinity, mg CaCO ₃ /L (pH 4.5)	380	mg/L	SM2320-B	5.000	2010-08-18	12:30:00	AL
Carbonate Alkalinity as CaCO ₃	<5	mg/L	SM2320-B	5.000	2010-08-18	12:30:00	AL
Bicarbonate Alkalinity as CaCO ₃	380	mg/L	SM2320-B	5.000	2010-08-18	12:30:00	AL
METALS BY ICP							
Aluminum, Al - Dissolved	<0.03	mg/L	EPA 200.7	0.030	2010-08-19	16:20:00	CM
Molybdenum, Mo - Dissolved	<0.005	mg/L	EPA 200.7	0.005	2010-08-19	16:20:00	CM
Arsenic, As - Dissolved	<0.01	mg/L	EPA 200.7	0.010	2010-08-19	16:20:00	CM
Boron, B - Dissolved	0.15	mg/L	EPA 200.7	0.010	2010-08-19	16:20:00	CM
Cadmium, Cd - Dissolved	<0.001	mg/L	EPA 200.7	0.001	2010-08-19	16:20:00	CM
Calcium, Ca - Dissolved	62.98	mg/L	EPA 200.7	0.030	2010-08-19	16:20:00	CM
Copper, Cu - Dissolved	<0.01	mg/L	EPA 200.7	0.010	2010-08-19	16:20:00	CM
Iron, Fe - Total	0.23	mg/L	EPA 200.7	0.050	2010-08-24	13:39:00	CM
Iron, Fe - Dissolved	<0.03	mg/L	EPA 200.7	0.030	2010-08-19	16:20:00	CM
Lead, Pb - Dissolved	<0.01	mg/L	EPA 200.7	0.010	2010-08-19	16:20:00	CM

Lab Supervisor

Domenic Ibanez
Laboratory Supervisor

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Analysis Report

August 30, 2010

SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

Page 3 of 3

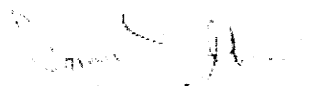
Client Sample ID: Well #1
Date Sampled: Aug 17, 2010
Date Received: Aug 18, 2010
Product Description: WATER

Sample ID By: Sunnyside Cogeneration Assoc.
Sample Taken At: Well #1
Sample Taken By: Rusty Netz
Time Sampled: 1020
Time Received: 0945
Mine: 27
Site: 8
Field - pH: 7.85 pH
Field - Dis. Oxygen: 9.2 MG/L
Field - Flow: 200 GPM
Field - Conductivity: 1377 UMHOS/CM
Field - Temperature: 19.2 DEG. C

Comments: Dissolved Metals Filtered at Lab
possible matrix interference for As, Se, Pb

SGS Minerals Sample ID: 782-1003976-003

<u>TESTS</u>	<u>RESULT</u>	<u>UNIT</u>	<u>METHOD</u>	<u>REPORTING</u>	<u>ANALYZED</u>		
				<u>LIMIT</u>	<u>DATE</u>	<u>TIME</u>	<u>ANALYST</u>
METALS BY ICP (continued)							
Magnesium, Mg - Dissolved	99.81	mg/L	EPA 200.7	0.010	2010-08-19	16:20:00	CM
Manganese, Mn - Total	0.004	mg/L	EPA 200.7	0.002	2010-08-24	13:39:00	CM
Manganese, Mn - Dissolved	0.003	mg/L	EPA 200.7	0.002	2010-08-19	16:20:00	CM
Potassium, K - Dissolved	2.29	mg/L	EPA 200.7	0.140	2010-08-19	16:20:00	CM
Selenium, Se - Dissolved	<0.02	mg/L	EPA 200.7	0.020	2010-08-19	16:20:00	CM
Sodium, Na - Dissolved	133.34	mg/L	EPA 200.7	0.090	2010-08-19	16:20:00	CM
Zinc, Zn - Dissolved	0.007	mg/L	EPA 200.7	0.004	2010-08-19	16:20:00	CM


Lab Supervisor

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Laboratory Supervisor

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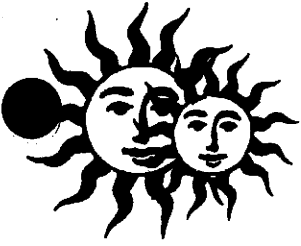
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APPENDIX B-2 WATER MONITORING

FOURTH QUARTER



Sunnyside Cogeneration Associates

P.O. Box 10, East Carbon, Utah 84520 • (435) 888-4476 • Fax (435) 888-2538

January 15, 2011

Daron Haddock
Division of Oil, Gas & Mining
1594 W. North Temple, Suite 1210
Salt Lake City, Utah 84116

Subject: Quarterly Sampling Report
Monitoring Period: October, November, December 2010
DOGM Operational Water Monitoring

Dear Daron:

This letter is to confirm that the quarterly baseline water sampling data and the UPDES DMR data, have been submitted to the DOGM EDI web site. The data is correct and ready to be processed.

Should you have any questions, please contact Rusty Netz or myself at (435)888-4476.

Thank You,

Richard Carter
Agent For
Sunnyside Cogeneration Associates

c.c. Steve Gross
William Rossiter
Maggie Estrada
Paul Shepard
Rusty Netz
Plant File

Sunnyside Cogeneration Facility
Sunnyside, Utah

Field Parameter Data

DOGM Permit Boundary Water Quality Monitoring Plan
Monitoring Period: fourth Quarter 2010
Samples taken November 23, 2010

Monitoring Location	Location	Temp. (C)	pH (su)	SC (umhos)	Dissolved Oxygen (mg/l)	Flow Rate (gpm)	Flow method
Icelander Creek	ICE-1	NW	NW	NW	NW	NW	NW
Columbia Dugway Spring	F-2	2.6	8.69	1809	11	10	2
Coarse Refuse Seep Source	CRS	NW	NW	NW	NW	NW	NW
Coarse Refuse Seep Boundary	CRB	2.6	8.3	6190	10.9	3	2
Dragerton Well	Well-1	NW	NW	NW	NW	NW	NW
Borehole B-6	B-6	NW	NW	NW	NW	NW	NW

Notes:

na - no flow

NW - no water present

NW/F - no water present frozen

nd - data is not available due to lack of discharge

1 - Flow rates were measured using a weir.

2 - Flow rates were measured using a calibrated container and stopwatch method.

3 - Flow rates were measured using the floating debris method.

4 - Flow rates were measured using a meter



Analysis Report

December 06, 2010

SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

DEC - 8 2010

Page 1 of 3

Client Sample ID: CRB
Date Sampled: Nov 23, 2010
Date Received: Nov 24, 2010
Product Description: WATER

Sample ID By: Sunnyside Cogeneration Assoc.
Sample Taken At: CRB
Sample Taken By: Rusty Netz
Time Sampled: 0800
Time Received: 1005
Mine: 27
Site: 9
Field - pH: 8.3 pH
Field - Dis. Oxygen: 10.9 MG/L
Field - Flow: 3 GPM
Field - Conductivity: 6190 UMHOS/CM
Field - Temperature: 2.6 DEG. C

Comments:

pH Expired When Received
Dissolved Metals Filtered at Lab; H2SO4 Preserved at Lab

SGS Minerals Sample ID: 782-1005388-002

TESTS

	RESULT	UNIT	METHOD	REPORTING LIMIT	DATE	ANALYZED TIME	ANALYST
Hardness, mg equivalent CaCO3/L	3217	mg/L	SM2340-B	1.000	2010-12-06	13:49:08	AL
Sulfate, SO4	4145	mg/L	EPA 300.0	1.000	2010-12-2	13:26:00	CM
Nitrate	0.83	mg/L	EPA 300.0	0.050	2010-11-24	16:19:00	CM
Nitrite	<0.05	mg/L	EPA 300.0	0.050	2010-11-24	16:19:00	CM
Ortho-Phosphate-P	<0.05	mg/L	EPA 300.0	0.050	2010-11-24	16:19:00	CM
Oil and Grease, (HEM)	<5	mg/L	EPA 1664-A	5.000	2010-11-24	11:30:00	CM
Anions	98.71	meq/L	SM1030-E	0.000	2010-12-06	13:49:08	AL
Cations	102.21	meq/L	SM1030-E	0.000	2010-12-06	13:49:08	AL
Balance	1.74	%	SM1030-E	-10.000	2010-12-06	13:49:08	AL
Acidity	<5	mg/L	D1067	5.000	2010-12-02	10:00:00	CM
Nitrogen, Ammonia	<0.1	mg/L	SM4500-B-D	0.100	2010-12-1	08:30:00	CM
pH	8.09	s. u.	SM4500-H	0.010	2010-11-24	10:57:00	CM
pH Temperature	12.80	°C	SM4500-H	0.010	2010-11-24	10:57:00	CM
Conductivity	6960	µmhos/cm	SM2510	0.100	2010-11-24	11:00:00	CM
Settleable Solids	<0.1	mL/L	SM2540-F a	0.100	2010-11-24	11:50:00	CM
Total Dissolved Solids	7118	mg/L	SM2540-C	30.000	2010-11-29	13:55:00	CM

Lab Supervisor

Domenic Ibanez
Lab Supervisor

SGS North America Inc.

Minerals Services Division

2035 North Airport Road Huntington

t (435) 653-2311 f (435)-653-2436 www.sgs.com/minerals

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Analysis Report

December 06, 2010

SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

Page 2 of 3

Client Sample ID: CRB
Date Sampled: Nov 23, 2010
Date Received: Nov 24, 2010
Product Description: WATER

Sample ID By: Sunnyside Cogeneration Assoc.
Sample Taken At: CRB
Sample Taken By: Rusty Netz
Time Sampled: 0800
Time Received: 1005
Mine: 27
Site: 9
Field - pH: 8.3 pH
Field - Dis. Oxygen: 10.9 MG/L
Field - Flow: 3 GPM
Field - Conductivity: 6190 UMHOS/CM
Field - Temperature: 2.6 DEG. C

Comments: pH Expired When Received
Dissolved Metals Filtered at Lab; H2SO4 Preserved at Lab

SGS Minerals Sample ID: 782-1005388-002

TESTS

	RESULT	UNIT	METHOD	REPORTING LIMIT	DATE	ANALYZED TIME	ANALYST
Total Suspended Solids	<5	mg/L	SM2540-D	5.000	2010-11-29	13:55:00	CM
Chloride, Cl	167	mg/L	EPA 300.0	1.000	2010-11-24	16:19:00	CM
Alkalinity, mg CaCO ₃ /L (pH 4.5)	385	mg/L	SM2320-B	5.000	2010-11-29	14:30:00	CM
Carbonate Alkalinity as CaCO ₃	<5	mg/L	SM2320-B	5.000	2010-11-29	14:30:00	CM
Bicarbonate Alkalinity as CaCO ₃	385	mg/L	SM2320-B	5.000	2010-11-29	14:30:00	CM
METALS BY ICP							
Molybdenum, Mo - Dissolved	<0.005	mg/L	EPA 200.7	0.005	2010-11-29	16:16:00	CM
Aluminum, Al - Dissolved	<0.03	mg/L	EPA 200.7	0.030	2010-11-29	16:16:00	CM
Arsenic, As - Dissolved	0.03	mg/L	EPA 200.7	0.010	2010-11-29	16:16:00	CM
Boron, B - Dissolved	2.00	mg/L	EPA 200.7	0.010	2010-11-29	16:16:00	CM
Cadmium, Cd - Dissolved	<0.001	mg/L	EPA 200.7	0.001	2010-11-29	16:16:00	CM
Calcium, Ca - Dissolved	468.41	mg/L	EPA 200.7	0.030	2010-11-29	16:16:00	CM
Copper, Cu - Dissolved	<0.01	mg/L	EPA 200.7	0.010	2010-11-29	16:16:00	CM
Iron, Fe - Total	<0.05	mg/L	EPA 200.7	0.050	2010-12-02	12:14:00	CM
Iron, Fe - Dissolved	<0.03	mg/L	EPA 200.7	0.030	2010-11-29	16:16:00	CM
Lead, Pb - Dissolved	<0.01	mg/L	EPA 200.7	0.010	2010-11-29	16:16:00	CM


Lab Supervisor

Domenic Ibanez
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December 06, 2010

SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

Page 3 of 3

Client Sample ID: CRB
Date Sampled: Nov 23, 2010
Date Received: Nov 24, 2010
Product Description: WATER

Sample ID By: Sunnyside Cogeneration Assoc.
Sample Taken At: CRB
Sample Taken By: Rusty Netz
Time Sampled: 0800
Time Received: 1005
Mine: 27
Site: 9
Field - pH: 8.3 pH
Field - Dis. Oxygen: 10.9 MG/L
Field - Flow: 3 GPM
Field - Conductivity: 6190 UMHOS/CM
Field - Temperature: 2.6 DEG. C

Comments:

pH Expired When Received
Dissolved Metals Filtered at Lab; H2SO4 Preserved at Lab

SGS Minerals Sample ID: 782-1005388-002

TESTS

METALS BY ICP (continued)

Magnesium, Mg - Dissolved
Manganese, Mn - Total
Manganese, Mn - Dissolved
Potassium, K - Dissolved
Selenium, Se - Dissolved
Sodium, Na - Dissolved
Zinc, Zn - Dissolved

RESULT	UNIT	METHOD	REPORTING LIMIT	DATE	ANALYZED TIME	ANALYST
497.29	mg/L	EPA 200.7	0.010	2010-11-29	16:16:00	CM
<0.002	mg/L	EPA 200.7	0.002	2010-12-02	12:14:00	CM
<0.002	mg/L	EPA 200.7	0.002	2010-11-29	16:16:00	CM
50.72	mg/L	EPA 200.7	0.140	2010-11-29	16:16:00	CM
<0.02	mg/L	EPA 200.7	0.020	2010-11-29	16:16:00	CM
842.08	mg/L	EPA 200.7	0.090	2010-11-29	16:16:00	CM
0.006	mg/L	EPA 200.7	0.004	2010-11-29	16:16:00	CM

Lab Supervisor

Domenic Ibanez
Lab Supervisor

SGS North America Inc.

Minerals Services Division

2035 North Airport Road Huntington

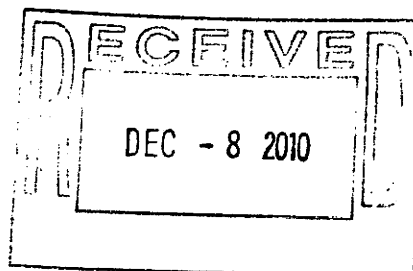
t (435) 653-2311 f (435)-653-2436 www.sgs.com/minerals

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Analysis Report



December 06, 2010

SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

Page 1 of 3

Client Sample ID: F-2
Date Sampled: Nov 23, 2010
Date Received: Nov 24, 2010
Product Description: WATER

Sample ID By: Sunnyside Cogeneration Assoc.
Sample Taken At: F-2
Sample Taken By: Rusty Netz
Time Sampled: 0830
Time Received: 1005
Mine: 27
Site: 11
Field - pH: 8.69 pH
Field - Dis. Oxygen: 11.0 MG/L
Field - Flow: 10 GPM
Field - Conductivity: 1809 UMHOS/CM
Field - Temperature: 2.6 DEG. C

Comments: pH Expired When Received
Dissolved Metals Filtered at Lab; H2SO4 Preserved at Lab

SGS Minerals Sample ID: 782-1005388-001

TESTS	RESULT	UNIT	METHOD	REPORTING	DATE	ANALYZED	
				LIMIT		TIME	ANALYST
Hardness, mg equivalent CaCO3/L	765	mg/L	SM2340-B	1.000	2010-12-06	13:49:08	AL
Sulfate, SO4	662	mg/L	EPA 300.0	1.000	2010-11-24	15:23:00	CM
Nitrate	0.08	mg/L	EPA 300.0	0.050	2010-11-24	15:23:00	CM
Nitrite	<0.05	mg/L	EPA 300.0	0.050	2010-11-24	15:23:00	CM
Ortho-Phosphate-P	<0.05	mg/L	EPA 300.0	0.050	2010-11-24	15:23:00	CM
Oil and Grease, (HEM)	<5	mg/L	EPA 1664-A	5.000	2010-11-24	11:30:00	CM
Anions	25.04	meq/L	SM1030-E	0.000	2010-12-06	13:49:08	AL
Cations	24.62	meq/L	SM1030-E	0.000	2010-12-06	13:49:08	AL
Balance	-0.85	%	SM1030-E	-10.000	2010-12-06	13:49:08	AL
Acidity	7	mg/L	D1067	5.000	2010-12-02	10:00:00	CM
Nitrogen, Ammonia	<0.1	mg/L	SM4500-B-D	0.100	2010-12-1	08:30:00	CM
pH	8.37	s. u.	SM4500-H	0.010	2010-11-24	10:55:00	CM
pH Temperature	12.60	°C	SM4500-H	0.010	2010-11-24	10:55:00	CM
Conductivity	2026	µmhos/cm	SM2510	0.100	2010-11-24	11:00:00	CM
Settleable Solids	<0.1	mL/L	SM2540-F a	0.100	2010-11-24	11:50:00	CM
Total Dissolved Solids	1456	mg/L	SM2540-C	30.000	2010-11-29	13:55:00	CM


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SGS North America Inc. Minerals Services Division
2035 North Airport Road Huntington t (435) 653-2311 f (435)-653-2436 www.sgs.com/minerals

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Analysis Report

December 06, 2010

SUNNYSIDE COGENERATION FAC
PO BOX 10
EAST CARBON UT 84520

Page 2 of 3

Client Sample ID: F-2
Date Sampled: Nov 23, 2010
Date Received: Nov 24, 2010
Product Description: WATER

Sample ID By: Sunnyside Cogeneration Assoc.
Sample Taken At: F-2
Sample Taken By: Rusty Netz
Time Sampled: 0830
Time Received: 1005
Mine: 27
Site: 11
Field - pH: 8.69 pH
Field - Dis. Oxygen: 11.0 MG/L
Field - Flow: 10 GPM
Field - Conductivity: 1809 UMHOS/CM
Field - Temperature: 2.6 DEG. C

Comments: pH Expired When Received
Dissolved Metals Filtered at Lab; H2SO4 Preserved at Lab

SGS Minerals Sample ID: 782-1005388-001

TESTS	RESULT	UNIT	METHOD	REPORTING	DATE	ANALYZED	
				LIMIT		TIME	ANALYST
Total Suspended Solids	<5	mg/L	SM2540-D	5.000	2010-11-29	13:55:00	CM
Chloride, Cl	48	mg/L	EPA 300.0	1.000	2010-11-24	15:23:00	CM
Alkalinity, mg CaCO ₃ /L (pH 4.5)	495	mg/L	SM2320-B	5.000	2010-11-29	14:30:00	CM
Carbonate Alkalinity as CaCO ₃	17	mg/L	SM2320-B	5.000	2010-11-29	14:30:00	CM
Bicarbonate Alkalinity as CaCO ₃	478	mg/L	SM2320-B	5.000	2010-11-29	14:30:00	CM
METALS BY ICP							
Molybdenum, Mo - Dissolved	<0.005	mg/L	EPA 200.7	0.005	2010-11-29	16:16:00	CM
Aluminum, Al - Dissolved	<0.03	mg/L	EPA 200.7	0.030	2010-11-29	16:16:00	CM
Arsenic, As - Dissolved	<0.01	mg/L	EPA 200.7	0.010	2010-11-29	16:16:00	CM
Boron, B - Dissolved	0.19	mg/L	EPA 200.7	0.010	2010-11-29	16:16:00	CM
Cadmium, Cd - Dissolved	<0.001	mg/L	EPA 200.7	0.001	2010-11-29	16:16:00	CM
Calcium, Ca - Dissolved	101.44	mg/L	EPA 200.7	0.030	2010-11-29	16:16:00	CM
Copper, Cu - Dissolved	<0.01	mg/L	EPA 200.7	0.010	2010-11-29	16:16:00	CM
Iron, Fe - Total	0.18	mg/L	EPA 200.7	0.050	2010-12-02	12:14:00	CM
Iron, Fe - Dissolved	<0.03	mg/L	EPA 200.7	0.030	2010-11-29	16:16:00	CM
Lead, Pb - Dissolved	<0.01	mg/L	EPA 200.7	0.010	2010-11-29	16:16:00	CM


Lab Supervisor

Domenic Ibanez
Lab Supervisor

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Analysis Report

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Field - Conductivity: 1809 UMHOS/CM
Field - Temperature: 2.6 DEG. C

Comments: pH Expired When Received
Dissolved Metals Filtered at Lab; H2SO4 Preserved at Lab

SGS Minerals Sample ID: 782-1005388-001

TESTS				REPORTING	ANALYZED		
	RESULT	UNIT	METHOD	LIMIT	DATE	TIME	ANALYST
METALS BY ICP (continued)							
Magnesium, Mg - Dissolved	124.37	mg/L	EPA 200.7	0.010	2010-11-29	16:16:00	CM
Manganese, Mn - Total	0.025	mg/L	EPA 200.7	0.002	2010-12-02	12:14:00	CM
Manganese, Mn - Dissolved	0.020	mg/L	EPA 200.7	0.002	2010-11-29	16:16:00	CM
Potassium, K - Dissolved	3.37	mg/L	EPA 200.7	0.140	2010-11-29	16:16:00	CM
Selenium, Se - Dissolved	<0.02	mg/L	EPA 200.7	0.020	2010-11-29	16:16:00	CM
Sodium, Na - Dissolved	212.39	mg/L	EPA 200.7	0.090	2010-11-29	16:16:00	CM
Zinc, Zn - Dissolved	<0.004	mg/L	EPA 200.7	0.004	2010-11-29	16:16:00	CM


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APPENDIX C
DEPARTMENT OF COMMERCE
CERTIFICATES OF EXISTENCE



Utah Department of Commerce
Division of Corporations & Commercial Code
160 East 300 South, 2nd Floor, PO Box 146705
Salt Lake City, UT 84114-6705
Service Center: (801) 530-4849
Toll Free: (877) 526-3994 Utah Residents
Fax: (801) 530-6438
Web Site: <http://www.commerce.utah.gov>

02/25/2011
4911242-015002252011-2359623

CERTIFICATE OF EXISTENCE

Registration Number: 4911242-0150
Business Name: SUNNYSIDE COGENERATION ASSOCIATES
Registered Date: April 24, 2001
Entity Type: DBA
Current Status: Good Standing

The Division of Corporations and Commercial Code of the State of Utah, custodian of the records of business registrations, certifies that the business entity on this certificate is authorized to transact business and was duly registered under the laws of the State of Utah. The Division also certifies that this entity has paid all fees and penalties owed to this state; its most recent annual report has been filed by the Division (unless Delinquent); and, that Articles of Dissolution have not been filed.



Kathy Berg

Kathy Berg
Director
Division of Corporations and Commercial Code

Utah Business Search - Registered Principals

Registered Principals

Name	Type	City	Status
SUNNYSIDE COGENERATION ASSOCIATES	DBA	Sunnyside	Active

Position	Name	Address
Applicant	SUNNYSIDE HOLDINGS I, INC.	103 SPRINGER BUILDING WILMINGTON DE 198
Applicant	SUNNYSIDE II, LP	C/O CONTELLATION POWER BALTIMORE MD 2120
Registered Agent	BRIAN W BURNETT	10 E SOUTH TEMPLE ST Salt Lake City UT 8413

If you believe there may be more principals, click here to

Utah Business Search - Details

SUNNYSIDE COGENERATION ASSOCIATES

Entity Number: 4911242-0150

Company Type: DBA

Address: ONE POWER PLANT RD PO BOX 159 Sunnyside, UT 84539

State of Origin:

Registered Agent: BRIAN W BURNETT

Registered Agent Address:

10 E SOUTH TEMPLE ST STE 900 Salt Lake City UT 84133

Status

Status: Active  as of 04/24/2001

Renew By: 04/24/2013

Status Description: Good Standing

Employment Verification: Not Registered with Verify Utah

History

Filed document images are not available for DBA

Registration Date: 04/24/2001

Last Renewed: 02/25/2010

Additional Information

NAICS Code: 2211 **NAICS Title:** 2211-Electric Power Generation, Transmis



Utah Department of Commerce
Division of Corporations & Commercial Code
160 East 300 South, 2nd Floor, PO Box 146705
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Toll Free: (877) 526-3994 Utah Residents
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Web Site: <http://www.commerce.utah.gov>

03/03/2011
1215877-014303032011-3151993

CERTIFICATE OF EXISTENCE

Registration Number: 1215877-0143
Business Name: SUNNYSIDE HOLDINGS I, INC.
Registered Date: December 30, 1994
Entity Type: Corporation - Foreign - Profit
Current Status: Good Standing

The Division of Corporations and Commercial Code of the State of Utah, custodian of the records of business registrations, certifies that the business entity on this certificate is authorized to transact business and was duly registered under the laws of the State of Utah. The Division also certifies that this entity has paid all fees and penalties owed to this state; its most recent annual report has been filed by the Division (unless Delinquent); and, that Articles of Dissolution have not been filed.



Kathy Berg

Kathy Berg
Director
Division of Corporations and Commercial Code

Utah Business Search - Registered Principals

Registered Principals

Name	Type	City	Status
SUNNYSIDE HOLDINGS I, INC.	Corporation	WILMINGTON	Active

Position	Name	Address
Registered Agent	C T CORPORATION SYSTEM	136 EAST SOUTH TEMPLE, SUITE 2100 Salt Lake City UT 8411
Director	ROBERT S MCLEESE	1105 N. MARKET ST. WILMINGTON DE 1981
Director	WILLIS S MCLEESE	1105 N. MARKET ST. WILMINGTON DE 1981
President	CHRIS L THOMPSON	1105 N. MARKET STREET WILMINGTON DE 1981

If you believe there may be more principals, click here to

Utah Business Search - Details

SUNNYSIDE HOLDINGS I, INC.

Entity Number: 1215877-0143

Company Type: Corporation - Foreign - Profit

Address: 1105 N. MARKET STREET SUITE 1300 WILMINGTON, DE 19801

State of Origin: DE

Registered Agent: C T CORPORATION SYSTEM

Registered Agent Address:

136 EAST SOUTH TEMPLE, SUITE 2100 Salt Lake City UT 84111

Status

Status: Active  as of 02/28/2011

Renew By: 12/30/2011

Status Description: Good Standing

Employment Verification: Not Registered with Verify Utah

History

Registration Date: 12/30/1994

Last Renewed: 02/28/2011

Additional Information

NAICS Code: 5617 **NAICS Title:** 5617-Services to Buildings and Dwellings



Utah Department of Commerce
Division of Corporations & Commercial Code
160 East 300 South, 2nd Floor, PO Box 146705
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Web Site: <http://www.commerce.utah.gov>

02/25/2011
2113550-018102252011-3100806

CERTIFICATE OF EXISTENCE

Registration Number: 2113550-0181
Business Name: SUNNYSIDE II, L.P.
Registered Date: December 30, 1994
Entity Type: Limited Partnership - Foreign
Current Status: Good Standing

The Division of Corporations and Commercial Code of the State of Utah, custodian of the records of business registrations, certifies that the business entity on this certificate is authorized to transact business and was duly registered under the laws of the State of Utah. The Division also certifies that this entity has paid all fees and penalties owed to this state; its most recent annual report has been filed by the Division (unless Delinquent); and, that Articles of Dissolution have not been filed.



Kathy Berg
Director
Division of Corporations and Commercial Code

Utah Business Search - Registered Principals

Registered Principals

Name	Type	City	Status
SUNNYSIDE II, L.P.	Limited Partnership	BALTIMORE	Active

Position	Name	Address
Registered Agent	C T CORPORATION SYSTEM	136 EAST SOUTH TEMPLE, SUITE 2100 Salt Lake City UT 8411
Partner	SUNNYSIDE II, INC.	750 E PRATT STREET 5TH FL Baltimore MD 21202

If you believe there may be more principals, click here to

Utah Business Search - Details

SUNNYSIDE HOLDINGS I, INC.

Entity Number: 1215877-0143

Company Type: Corporation - Foreign - Profit

Address: 1105 N. MARKET STREET SUITE 1300 WILMINGTON, DE 19801

State of Origin: DE

Registered Agent: C T CORPORATION SYSTEM

Registered Agent Address:

136 EAST SOUTH TEMPLE, SUITE 2100 Salt Lake City UT 84111

Status

Status: Delinquent as of 01/24/2011

Status Description: Failure to File Renewal

Employment Verification: Not Registered with Verify Utah

History

Registration Date: 12/30/1994

Last Renewed: 11/19/2009

Additional Information

NAICS Code: 5617 **NAICS Title:** 5617-Services to Buildings and Dwellings



APPENDIX D MINE MAP

As required under R645-302-525-270

MINE
MAP

DEPT OF
COMMERCE

CLIMATE & WATER
DATA

CERTIFIED
INSPECTION REPORTS

ANNUAL
REPORT